THE ANNUAL REPORT OF THE SCHOOLHOUSE DEPARTMENT

FROM FEBRUARY 1, 1916, TO
FEBRUARY 1, 1917

CITY OF BOSTON
PRINTING DEPARTMENT
1917

WILLIAM BLACKSTONE SCHOOL.
H. H. Atwood, Architect.

THE ANNUAL REPORT OF THE SCHOOLHOUSE DEPARTMENT

FROM FEBRUARY 1, 1916, TO
FEBRUARY 1, 1917

CITY OF BOSTON
PRINTING DEPARTMENT
1917

CONTENTS.

REPORT OF COMMISSIONERS.

APPENDICES.

ILLUSTRATIONS.

BUILDINGS IN CHARGE OF SCHOOLHOUSE DEPARTMENT.

Number of Permanent School Buildings	267
Of the above there are in use as Storehouses, etc.	2
Number of Portable Buildings	136
Number of Hired Buildings	22
Giving Class-rooms to the Number of	75
Number of New Buildings Finished by Commission	58
Number of Additions to Buildings Finished by Commission	21
Number of Buildings under Construction at the Present Time	6

ANNUAL REPORT

OF THE

SCHOOLHOUSE DEPARTMENT

FOR THE YEAR ENDING JANUARY 31, 1917.

Hon. James M. Curley,
Mayor of the City of Boston:

Dear Sir,— In accordance with the provisions of chapter 473 of the Acts of 1901, the Board of Schoolhouse Commissioners submits herewith its fifteenth annual report, covering the period from February 1, 1916, to February 1, 1917.

I.

GENERAL STATEMENT.

The Board regrets that there has been a delay in the completion of the Boston Trade School.

The shop portion of the building collapsed March 25, 1916. This collapse was due, in part, to the most severe winter in the last forty years, and to misjudgment on the part of the contractor. The rebuilding is now nearly completed and the Board expects to have it completed and occupied June 1, 1917.

Owing to the efforts of your Honor a bill was enacted in the Senate and House of Representatives, chapter 267, Special Acts 1916.

This act does away with the Bond Issue. The appropriation for the erection of school buildings and the

appropriation for repairs on school buildings are to be taken out of the Tax Levy. The Board has been proceeding under this act during the past year.

II.

WORK EXECUTED UNDER THE APPROPRIATION FOR LAND AND BUILDINGS FOR SCHOOLS.

(1.) REPORT OF PROGRESS ON BUILDINGS DESCRIBED LAST YEAR AND ON NEW WORK UNDERTAKEN SINCE THEN.

Of the School Committee's list (Tax Levy), 1914–15, the Board reports as follows:

Item 1.— Wells District, West End, elementary school, upper grades.

	Original Contract.	Contract To Date.
General contract (all trades) .	$173,496 00	$167,231 49

Item 3.— Oliver Wendell Holmes District, sixteen-room elementary school, lower grades, land and building. The Board has taken the land for this building, and now awaits action by the School Committee. See 1915–16.

This completes the Tax Levy list for 1914–15.

Of the School Committee's list (Bond Issue), 1915–16, the Board reports as follows:

Item 1.— Henry Grew District, Hyde Park High School, addition to building.

	Original Contract.	Contract To Date.
General contract (all trades) .	$89,990 00	$109,152 90

Item 2.— Comins-Sherwin Districts, Roxbury, Boston Industrial School for Boys, completion of building. This building is expected to be completed May 16, 1917.

	Original Contract.	Contract To Date.
General contract (all trades) .	$272,000 00	$280,013 54

Item 3.— Henry L. Pierce-Mary Hemenway Districts, Dorchester, elementary school, upper and lower grades, land and building.

	Original Contract.	Contract To Date.
General contract (all trades) .	$137,400 00	$137,400 00

Item 4.— Reported last year.

Item 5.— *Abraham Lincoln District*, School Administration Building. Plans were made and it was intended to build on the site of the Old Probate Building, 30 Tremont street. Owing to an advantageous offer received by his Honor the Mayor, the site was sold. We now await action by the School Committee in regard to the taking of a site.

On the Tax Levy list:

Item 1.— *Dearborn District*, Roxbury, High School of Practical Arts, addition to building. This building is expected to be completed July 15, 1917.

	Original Contract.	Contract To Date.
General contract (all trades) .	$56,676 00	$60,018 88

Items 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 reported on last year.

Item 17. See further report, 1915–16.

This completes the Tax Levy list, 1915–16.

On May 1, 1916, the School Committee, under the provisions of chapter 267 of the Special Acts of 1916, appropriated the sum of $922,812 for the purpose of constructing and furnishing new school buildings, including the taking of land therefor and for school yards and the preparing of school yards for use.

Administration Expenses, Schoolhouse Department.

Item 1.— Administration expenses, Schoolhouse Department.

Additional Provision to Meet Cost of Accommodations Previously Authorized.

Item 2.— Wells District, West End, completion of building under construction on Blossom street.

Item 3.— Comins-Sherwin Districts, Roxbury, Boston Industrial School for Boys, completion of building under construction.

Item 4.— Dearborn District, Roxbury, High School of Practical Arts, completion of addition under construction.

Item 5.— Henry Grew District, Hyde Park, Hyde Park High School, completion of addition authorized in 1915.

Item 6.— Eliot-Hancock Districts, North End, proposed elementary school, lower grades and special class rooms, Charter street, additional provision for the completion of payment for land and plans.

Item 7.— Henry L. Pierce-Mary Hemenway Districts, Dorchester, elementary school, upper and lower grades, additional provision for erection of sixteen-room building authorized in 1915.

Enlargement of Buildings Previously Authorized.

Item 8.— Oliver Wendell Holmes District, Dorchester, elementary school, upper and lower grades, Glenway and Harvard streets, eight-room addition to sixteen-room building authorized in 1915.

Item 9.— Robert G. Shaw District, West Roxbury, elementary school, lower grades, Mt. Vernon street, eight-room addition to eight-room building authorized in 1915.

Additional Accommodations.

Item 10.— Henry L. Pierce District, Dorchester, elementary school, upper grades, sixteen-room building and land therefor, said land and building being in addition to the sixteen-room building and land therefor authorized in 1915, and for which additional provision is made under Item 7.

Item 11.— Ulysses S. Grant District, East Boston, James Otis Schoolhouse, six-room addition.

Item 12.— Roger Wolcott District, Dorchester, elementary school, upper grades, eight-room building and land therefor.

Item 13.— George Putnam District, Roxbury, William Lloyd Garrison Schoolhouse, eight-room addition.

Enlargement and Preparation of School Yards.

Item 14.— Wells District, West End, Winchell School, enlargement and preparation of school yard.

Item 15.— Wendell Phillips District, West End, Wendell Phillips School, enlargement of school yard, including grading and paving.

Item 16.— Charles Sumner District, Roslindale, John D. Philbrick School, grading of yard and construction of retaining wall.

Additional Portable Buildings.

Item 17.— Fifteen additional portable schoolhouses.

Thereupon the Board notified the School Committee that it intended to expend this appropriation from the Tax Levy for the following items, this being done after consultation with the Superintendent of Schools:

Administration Expenses, Schoolhouse Department.

Item 1.— Administration expenses, Schoolhouse Department	$44,000 00
Additional Provision to Meet Cost of Accommodations Previously Authorized.	
Item 2.— Wells District, West End, completion of building under construction on Blossom street,	35,000 00
Carried forward	$79,000 00

Brought forward	$79,000 00
Item 3.— Comins-Sherwin Districts, Roxbury, Boston Industrial School for Boys, completion of building under construction	59,350 04
Item 4.— Dearborn District, Roxbury, High School of Practical Arts, completion of addition under construction	21,128 00
Item 5.— Henry Grew District, Hyde Park, Hyde Park High School, completion of addition authorized in 1915	27,412 00
Item 6.— Eliot-Hancock Districts, North End, proposed elementary school, lower grades and special class rooms, Charter street, additional provision for the completion of payment for land and plans	19,321 96
Item 7.— Henry L. Pierce-Mary Hemenway Districts, Dorchester, elementary school, upper and lower grades, additional provision for erection of sixteen-room building authorized in 1915	16,700 00
Enlargement of Buildings Previously Authorized.	
Item 8.— Oliver Wendell Holmes District, Dorchester, elementary school, upper and lower grades, Glenway and Harvard streets, eight-room addition to sixteen-room building authorized in 1915	146,000 00
Item 9.— Robert G. Shaw District, West Roxbury, elementary school, lower grades, Mt. Vernon street, eight-room addition to eight-room building authorized in 1915	111,000 00
Additional Accommodations.	
Item 10.— Henry L. Pierce District, Dorchester, elementary school, upper grades, sixteen-room building and land therefor, said land and building being in addition to the sixteen-room building and land therefor authorized in 1915, and for which additional provision is made under Item 7	168,600 00
Item 11.— Ulysses S. Grant District, East Boston, James Otis Schoolhouse, six-room addition .	56,800 00
Item 12.— Roger Wolcott District, Dorchester, elementary school, upper grades, eight-room building and land therefor	89,000 00
Item 13.— George Putnam District, Roxbury, William Lloyd Garrison Schoolhouse, eight-room addition	81,000 00
Carried forward	$875,312 00

Brought forward	$875,312 00
Enlargement and Preparation of School Yards.	
Item 14.— Wells District, West End, Winchell School, enlargement and preparation of school yard	1,500 00
Item 15.— Wendell Phillips District, West End, Wendell Phillips School, enlargement of school yard, including grading and paving . . .	3,000 00
Item 16.— Charles Sumner District, Roslindale, John D. Philbrick School, grading of yard and construction of retaining wall	5,000 00
Additional Portable Buildings.	
Item 17.— Fifteen additional portable schoolhouses	38,000 00
	$922,812 00

In connection with the foregoing list the following is a report of progress made so far:

Item 2.— *Wells District,* West End, elementary school, upper grades. This building was completed March 28, 1916.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$173,496 00	$170,482 94

Item 3.— *Comins-Sherwin Districts,* Roxbury, Boston Industrial School for Boys, completion of building. This building is expected to be completed May 16, 1917.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$272,000 00	$284,757 54

Item 4.— *Dearborn District,* Roxbury, High School of Practical Arts, completion of addition to building. This building is expected to be completed July 17, 1917.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$56,676 00	$60,725 03

Item 5.— *Henry Grew District,* Hyde Park High School, completion of addition to building. This building is expected to be completed January 1, 1918.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$89,990 00	$109,152 90

Item 6.— Eliot-Hancock Districts, North End, elementary school, lower grades and special class-rooms, land and plans.

Item 7.— Henry L. Pierce-Mary Hemenway Districts, Dorchester, elementary school, upper and lower grades. The contract for this building was let September 15, 1916.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$137,400 00	$137,737 39

Item 8.— Oliver Wendell Holmes District, Dorchester, elementary school, upper and lower grades. The plans are now practically completed for this building.

Item 9.— Robert G. Shaw District, West Roxbury, elementary school, lower grades, building. The contract for this building was let November 29, 1916.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$174,000 00	$174,642 50

Item 10.— Henry L. Pierce District, Dorchester, elementary school, upper grades. The contract for this building was let December 11, 1916.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$161,227 00	$161,227 00

Item 11.— Ulysses S. Grant District, East Boston, James Otis Schoolhouse, six-room addition. The contract for this building was let July 14, 1916.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$47,447 00	$48,518 06

Item 12.— Roger Wolcott District, Dorchester, elementary school, upper grades. The contract for this building was let February 17, 1917.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$99,680 00	$99,680 00

Item 13.— George Putnam District, Roxbury, William Lloyd Garrison Schoolhouse, eight-room addition. The plans for this building are practically completed.

Item 14.— Wells District, West End, Winchell school, enlargement of school yard. The land has been taken for this enlargement.

Item 15.— Wendell Phillips District, West End, Wendell Phillips School, enlargement of yard and grading and paving. This work was completed January 22, 1917.

	Original Contract.	Contract To Date.
General contract (all trades) . .	$2,167 00	$2,318 50

Item 16.— Charles Sumner District, Roslindale, John D. Philbrick School, grading of yard and construction of retaining wall. This work was completed January 22, 1917.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$5,748 27	$5,271 19

Item 17.— Building Fifteen Portable Schoolhouses in various districts. These buildings have been completed and accepted.

	Original Contract.	Completed Contract.
General contract (all trades) . .	$26,570 00	$26,946 00

(2.) FUTURE ACCOMMODATIONS.

The high school situation in Boston is rapidly approaching an acute stage. This applies particularly to the Dorchester, South Boston and West Roxbury High Schools. The construction of a building for the Boston Latin School will relieve the English High School. It will be but a short time before the relief afforded by the establishment of the junior high schools will be apparent, though even with this relief there must be new high schools built in Boston in the near future.

The situation is acute in the Henry L. Pierce, Mary Hemenway, Oliver Wendell Holmes, George Putnam, Roger Wolcott, Samuel Adams, Theodore Lyman, John Cheverus, Ulysses S. Grant and Dearborn Districts.

Relief is expected this year in the Henry L. Pierce, Mary Hemenway, Oliver Wendell Holmes, Roger Wolcott and George Putnam Districts.

Plans are being made to relieve the John Cheverus, Roger Wolcott and Dearborn Districts.

(3.) FIRE PROTECTION.

During the past year the Board has done a great deal of work in the erection of fire escapes and the fireproofing of basements.

Fire Escapes Erected.

Cottage Place School.
Elbridge Smith School.
Emerson School.
Harris School.
Henry Grew School.
Hyde School.
Lawrence School.
Norcross School.
Old Gibson School.
Plummer School.
Sharp School.
Thomas N. Hart School.
Washington Allston School.
William Brewster School.

WILLIAM BLACKSTONE SCHOOL — ASSEMBLY HALL.
H. H. Atwood Architect.

Fireproofing has been completed in the following schools:

Quincy E. Dickerman School.
William Wirt Warren School.
Stephen M. Weld School.
Mechanic Arts High School.
Agassiz School.
Hyde School.
George Putnam School.
Henry L. Pierce School.

III.

THE POLICY OF THE BOARD.

As stated last year the Board believes in first-class construction for all school buildings.

IV.

REPAIRS.

The Board received, to be expended for alterations and repairs, the sum of $330,674.52.

Below find some of the more important items completed:

Architectural Division.— New sanitation installed in the Cudworth and Sharp Schools. Master's office and lunch counter in the Roxbury High School. Book lockers, West Roxbury High School. Assembly hall altered to make 4 class-rooms in Roger Wolcott School. Teachers' room, Eliot School. Steel lockers were installed in the West Roxbury High, English High, South Boston High and Public Latin Schools.

Civil Engineering Division.— Grading and paving addition to the John D. Philbrick and Wendell Phillips school yards. Paving portion of yard, Ulysses S. Grant School. Erecting wooden fences at the William E. Endicott, Mozart, Robert G. Shaw, Oak Square and William H. Kent Schools. Erecting iron fences at the Pierpont and Joseph Tuckerman Schools. Laying granolithic sidewalk and installing gymnasium equipment at the Boston Trade School. Erecting fifteen new portable school buildings. Moving five portable school buildings. Cleaning and repairing catch-basins in 250 schools. Repairing pavements in 250 school yards.

Electrical Division.— Electric lights have been installed in eighty-four class-rooms in fourteen school buildings. Four buildings, viz., Horace Mann, Eliot, Hawes Hall and Old Gibson, have been entirely equipped. Reflectoscopes were installed in English High School and

Wells School. Underground cable was installed to connect local fire alarm system with city fire alarm service, viz., Tappan, East Boston High, Emerson, Richard C. Humphreys and Farragut Schools. Clock system was installed in Paul Revere School. Metal and wood working and printing machinery were installed in Dorchester High, George Putnam, Sherwin, Henry L. Pierce, Edmund P. Tileston, Longfellow and Continuation Schools. Work on about 2,000 repairs was done in various schools by our own men on requisitions from masters.

Repairing steam apparatus and furnaces in 237 schoolhouses and 137 portable buildings . .	$15,500 00
Albert Palmer School, installing new boilers and making changes in heating apparatus . .	3,547 00
Margaret Fuller School, installing new boilers .	3,570 00
Hancock Annex, removal of and installing steam heating apparatus	2,300 00
Washington School, removal of furnaces and installing steam heating apparatus	952 00
Thomas Starr King School, connecting present heating apparatus to boilers in Bunker Hill School	764 00

Plumbing Division.— Work under this division consisted of new drains, toilets and bowls, sinks, boilers, water and hot water supplies, etc., and major repairs on plumbing in the following schools:

Dorchester High, Eliot, Bowditch, Harvard, Thomas Starr King, Horace Mann, Francis Parkman, Dudley, Christopher Gibson, Samuel G. Howe, Public Latin, Quincy, Elbridge Smith, Rice, South Boston High, Charlestown High, Mechanic Arts High, Wells Annex and Wait Schools.

V.

CONCLUSION.

The Board wishes to express to your Honor its appreciation of your support and active assistance in its efforts to carry out its work, and to the officers of the School Committee for their assistance and coöperation.

Joseph P. Lomasney,
William J. Hennessey,
Thomas D. O'Connor,
Commissioners.

APPENDICES.

APPENDIX I.

APPROPRIATION FOR LAND AND BUILDINGS FOR SCHOOLS.

I.

TOTAL APPROPRIATIONS AND CREDITS RECEIVED BY THE DEPARTMENT FROM FEBRUARY 1, 1916, TO FEBRUARY 1, 1917.

Appropriations.		
Balance from last year		$758,188 10
Bond issue		300,000 00
Tax levy		922,812 00
		$1,981,000 10
Expenditures.		
Amount expended for site, erection and furnishing of new buildings	$374,524 75	
Amount expended for administration expenses	43,080 49	
Amount expended for enlarging school yards	12,845 03	
		430,450 27
Amount unexpended February 1, 1917		$1,550,549 83

II.

The following statement shows the expenditures on account of the above appropriation from February 1, 1916, to February 1, 1917:

Appropriations and credits, 1915–16		$1,981,000 10
Addition to High School of Practical Arts.		
Building	$41,817 38	
Furnishings	350 00	
		$42,167 38
Boston Consumptives' Hospital.		
Furnishings		90 60
Carried forward		$42,257 98

Brought forward		$42,257 98
Boston Industrial School for Boys.		
Building	$114,091 16	
Furnishings	9,427 29	
		123,518 45
Mechanic Arts High, Extension.		
Furnishings		1,343 21
Mechanic Arts High, Industrial Equipment.		
Furnishings		579 85
Addition to Hyde Park High School.		
Building		19,633 25
Eliot-Hancock Districts, Lower Elementary.		
Site		775 65
Emerson District, Elementary School.		
Building		801 03
Norcross District, Elementary.		
Building		53 20
Mary Lyon District, Jones's Field.		
Site		6,296 47
Oliver Wendell Holmes District, Lower Elementary (New).		
Building		4,790 03
Wells District, Elementary.		
Site	$245 00	
Building	38,935 74	
Furnishings	5,233 62	
		44,414 36
Henry L. Pierce-Mary Hemenway Districts, Elementary.		
Building		24,774 54
Robert G. Shaw District, Elementary.		
Building		9,897 89
Portable Buildings (16).		
Building		74 33
Carried forward		$279,210 24

Brought forward		$279,210 24
Henry L. Pierce District, Elementary School.		
Site	$100 00	
Building	10,585 92	
		10,685 92
Roger Wolcott District, Elementary School.		
Site	$8,533 50	
Building	16 50	
		8,550 00
U. S. Grant District, Addition to James Otis School.		
Building	$44,128 46	
Furnishings	214 29	
		44,342 75
Portable Buildings (15).		
Building	$27,459 00	
Furnishings	4,276 84	
		31,735 84
Bennett District, Extension of Brighton High School Yard.		
Site		5,888 55
Bennett District, Preparation of Mary Lyon School Yard.		
Grading		866 75
Winchell School, Enlargement and Preparation of Yard.		
Site		1,383 00
John D. Philbrick School, Grading of Yard.		
Grading		4,156 13
Boston Industrial School for Boys, Enlargement of Yard.		
Site		100 00
Wendell Phillips School, Extension of Yard.		
Grading		448 20
Francis Parkman School, Grading of Yard.		
Grading		2 40
Carried forward		$387,369 78

Brought forward		$387,369 78
Administration Expenses.		
Salaries of employees	$39,612 37	
Automobile care and maintenance	1,786 58	
Printing and advertising	190 84	
Blueprint paper	303 25	
Photographic supplies	20 17	
Supplies	653 47	
Miscellaneous	130 11	
Traveling expenses	383 70	
		43,080 49
		$430,450 27
Amount voted for and set aside, but not expended to date for sites, construction and furnishing of new buildings, administration expenses, fire protection and enlarging school yards		1,550,549 83
		$1,981,000 10
Elementary schools		$194,139 09
High schools		193,230 69
Administration expenses		43,080 49
		$430,450 27

APPENDIX II.

APPROPRIATION FOR REPAIR AND ALTERATION WORK, REPAIRS TO FURNITURE, EQUIPMENT, ETC., RENTS AND TAXES, AND EXPENSES OF THE COMMISSION.

I.

GENERAL STATEMENT.

During the year February 1, 1916, to February 1, 1917, the following sums were expended by the Schoolhouse Department for repair and alteration work, repairs to furniture, equipment, etc., rents and taxes, and expenses of the commission:

February 1, 1916, appropriation		$417,505 17
Repairs and Equipment.		
Carpentry:		
Repairs	$36,018 81	
Alterations	11,873 00	
New floors	2,384 26	
Furniture and Equipment:		
Repairs	15,849 05	
Curtain repairs	1,553 15	
Clock repairs	2,139 45	
Electric clock installation	42 04	
Electric clock maintenance	822 68	
Gymnasium apparatus	60 00	
Industrial apparatus maintenance	185 68	
Manual training and pre-vocational apparatus maintenance	509 75	
Reflectoscope maintenance	190 28	
Vacuum cleaning maintenance,	136 00	
Rubber treads and matting	1,085 25	
Carried forward	$72,849 40	

Brought forward	$72,849 40
Blackboards:	
New	464 18
Repairs	3,910 63
Plumbing:	
Repairs	29,375 62
Roofing:	
Repairs	12,636 39
Painting:	
Painting	20,246 10
Glazing	7,493 87
Heating:	
Repairs	36,967 31
Ventilation	857 51
Care of Grounds:	
Gypsy moths	324 00
Planting	458 83
Masonry:	
Repairs	13,426 94
Asphalt and concrete	482 00
Catch-basins	3,681 93
Grading	98 50
Paving	5,297 30
Plastering	2,813 86
Waterproofing	1,420 60
Locks and Bells:	
Bells and telephone installation	543 14
Bells and telephone maintenance	2,145 72
Locksmithing	3,888 37
Gas and Electrical:	
Electric light installation	1,535 41
Electric light maintenance	2,192 34
Gas appliance installation	77 74
Gas appliance maintenance	1,150 11
Carried forward	$224,337 80

Brought forward . . .	$224,337 80	
Fire Protection:		
Fire alarm installation . .	—	
Fire alarm maintenance . .	1,564 36	
Fire escapes (new) . . .	47,890 45	
Fire escapes (repairs) . .	1,851 31	
Fire extinguishers . . .	304 34	
Fire protection	12,999 84	
Miscellaneous:		
Care and cleaning . .	1,363 90	
Flagstaffs	1,150 97	
Iron and wire work . .	4,242 47	
Janitors' supplies . .	239 56	
Motors and engines . .	1,644 08	
Teaming	1,461 07	
Administration Expenses.		
Salaries, commissioners and clerks,	12,455 55	
Salaries, inspectors . . .	25,986 51	
Advertising . . .	82 20	
Automobile expenses . .	9,895 98	
Boiler insurance	14 57	
Car fares, traveling expenses .	1,564 32	
Electric lighting of offices . .	12 49	
Expert services . . .	475 00	
Furniture	1,159 75	
Postage	305 00	
Printing	1,178 60	
Stationery	279 45	
Subscription	29 00	
Sundries	35 00	
Teaming	—	
Telephone	58 00	
Total repairs and administration expenses .		$352,581 57
Hired Buildings, Rents and Taxes.		
Barham Memorial Church . .	$600 00	
Boylston street, 48 . . .	1,422 49	
Chambers street, 27 . . .	400 00	
Chambers street, 38 (St. Andrew's Chapel)	540 00	
Chambers street, 103 . . .	1,373 00	
Columbus avenue, 627 (Saranac Apartments)	420 00	
Carried forward . . .	$4,755 49	$352,581 57

Brought forward	$4,755 49	$352,581 57
Eliot street, Jamaica Plain (Trustees' Building)	705 00	
Everett Square Theater	18 00	
Franklin Union	2,646 00	
Greenwood Hall, Glenway street, Dorchester	600 00	
Hanson street, 1	744 00	
Hull street, 24	420 00	
Hyde Park Gymnasium	626 67	
Isabella street, 12	78 00	
Jordan Hall	50 50	
La Grange street, 25	5,249 80	
La Grange street, 31	1,200 00	
Moon street	6,000 00	
National Theater	150 00	
North Bennet street, 39	2,957 00	
Parmenter street, 20	102 77	
Reed street, 89	156 00	
Saratoga street, 66	600 00	
Tileston street, 52	600 00	
Tremont street, 218	3,420 00	
Walnut avenue and Walnut park,	720 00	
Willowwood street, 3	1,500 00	
Total rents and taxes		33,299 23
Grand total		$385,880 80
Balance returned to School Committee		$31,624 37

II.

SUBDIVISION OF EXPENDITURES.

Elementary schools	$262,851 00
Administration and incidental expenses	62,863 00
High schools and special schools	55,225 80
School Committee quarters	4,941 00
	$385,880 80

APPENDIX III.

APPROPRIATION FOR NEW FURNITURE, ETC., FOR OLD BUILDINGS.

I.

The following sums were expended by the Schoolhouse Department during the financial year, February 1, 1916, to February 1, 1917, and charged to the Appropriation for New Furniture, etc., for Old Buildings:

February 1, 1916, appropriation		$63,200 00
Furniture and Equipment:		
Electric clock installation	$879 60	
Industrial apparatus installation,	248 37	
Manual training and pre-vocational apparatus	2,762 79	
New blackboards	66 96	
New clocks	279 00	
New curtains	4,964 00	
New furniture	30,706 62	
Reflectoscope installation	309 63	
Vacuum cleaning installation	70 19	
Electrical and Gas:		
Bells and telephone installation	405 98	
Electric light installation	15,090 48	
Fire alarm installation	860 09	
Gas appliances installation	260 85	
Motors and engines	56 03	
Miscellaneous:		
Fire extinguishers	528 69	
Plans and advertising	7 20	
Rubber treads and matting	24 00	
Total expenditures		57,520 48
Balance returned to School Committee		$5,679 52

APPENDIX IV.

APPROPRIATION FOR EQUIPMENT, ETC., FOR NURSES' ROOMS.

February 1, 1916, appropriation		$400 00
New furniture	$65 70	
Gas appliances installation	89 93	
Total expenses		155 63
Balance returned to School Committee		$244 37

APPENDIX V.

APPROPRIATION HIGH SCHOOL OF COMMERCE.

Appropriation 1909–10		$50,000 00
Appropriation 1910–11		300,000 00
Appropriation 1911–12		250,000 00
Appropriation 1913–14		50,000 00
Appropriation 1914–15		50,000 00
		$700,000 00
Site	$120,494 42	
Architect's services	42,001 37	
Building	490,602 25	
Furnishings	25,420 08	
		678,518 12
Balance of appropriation January 31, 1917		$21,481 88

HIGH SCHOOL OF PRACTICAL ARTS ADDITION.

J. A. Schweinfurth Architect.

APPENDIX VI.

HIRED BUILDINGS.

I.

Rooms in the following buildings have been hired for school purposes; rents, taxes, water rates, heating, lighting and janitors' expenses paid for the same, amounting to $33,299.23, during the year from February 1, 1916, to February 1, 1917.

For	Location.	Remarks.
Abraham Lincoln District *.....	Isabella street, 12.....	Rent per annum $312, including heat and light.
Compulsory Continuation School,	La Grange street, 25.....	Rent per annum $4,000, city to furnish heat, light and water and taxes.
Compulsory Continuation School,	La Grange street, 31.....	Rent per annum, $1,200, city to furnish heat and light.
Continuation School.....	Young Men's Christian Union Building, 48 Boylston street.	Rent per annum $1,650, including heat, light and janitor's service.
English High School *.....	Franklin Union, Berkeley and Appleton streets.	Rent per annum $4,600, including heat and janitor's service.
English High School.....	National Theater, Tremont street.	Used for graduation exercises. Rent for same $150.
Eliot District, two special classes,	Hull street, 24.....	Rent per annum $420, city to furnish heat and janitor's service.
Eliot District, special classes.....	North Bennet street, 39....	Rent per annum $3,160, including heat, light, janitor and water.
Eliot District, Continuation School.	Tileston street, 52.....	Rent per annum $600, including heat, light and janitor's service.
Franklin District, Cooking Room,	Hanson street, 1.....	Rent per annum $744, including heat and janitor's service.
George Putnam District, Kindergarten.	Walnut avenue.....	Rent per annum $720, including heat and janitor's service.
George T. Angell District, Special Class.	Reed street, 89.....	Rent per annum $156, includes all expenses.

* Vacated during the year.

HIRED BUILDINGS.—*Concluded.*

For	Location.	Remarks.
Girls' High School	Jordan Hall, Huntington avenue.	Used for graduation exercises. Rent for same $50.50.
Hancock District	Moon street	Rent per annum $6,000, including heat and janitor's service.
Hancock District, Grammar and Special Classes.*	Parmenter street, 20	Rent per annum $1,000, including heat, light and janitor's service.
Hyde, Cooking Room	Columbus avenue, 627	Rent per annum $420, includes all expenses.
Hyde Park High School	Young Men's Christian Association Gymnasium.	Rent per annum $550, includes all expenses.
Hyde Park High School	Everett Square Theater	Used for graduation exercises. Rent for same $18.
John A. Andrew District	Barham Memorial Church, corner Dorchester and Vinton streets, South Boston.	Rent per annum $600, including heat and janitor's service.
Manual Training School	Eliot street, Jamaica Plain	Rent per annum $800, including heat and janitor's service.
Oliver Wendell Holmes District, Kindergarten Class.	Greenwood Hall, Glenway street, Dorchester.	Rent per annum $600, including heat, light and janitor's service.
Roger Wolcott District	Willowwood street, 3, Harvey Hall.	Rent per annum $1,500, includes all expenses.
School Committee	Tremont street, 218	Rent per annum $3,420, including heat, light and water service.
Ulysses S. Grant District, Special Class.	Saratoga street, 66	Rent per annum $600, city to furnish janitor's service, heat, light and water.
Washington District, Special and Ungraded Classes.*	Chambers street, 103	Rent per annum $1,620, including heat and janitor's service.
Wells District, Primary Class *	Chambers street, 27	Rent per annum $800, including heat, light, janitor and water.
Wells District, Kindergarten and Grammar Classes.*	Chambers street, 38	Rent per annum $1,080, including heat, janitor and water rates.

* Vacated during the year.

APPENDIX VII.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. See Appendix XV. for date.

NAME OF SCHOOL BUILDING.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
						Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
Marshall	15	P.	1st	B., $106,516 75 H., 9,483 00 P., 5,197 00 E., 3,270 90		Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
William E. Russell	18	G.	1st	B., $158,189 52 H., 15,132 40 P., 9,580 29 E., 5,622 35	$124,467 65	85.6	7.6	4.2	2.6	516,624	24.1	20.6	1.9	1	.6	37,000	758	$164 20
Farragut	14	P.	1st	B., $127,262 98 H., 12,432 00 P., 6,821 45 E., 4,010 00	188,524 56	83.9	8	5.1	3	894,941	21.1	17.7	1.7	1.1	.6	50,000	976	192 14
Paul Jones	11	P.	1st	B., $95,095 75 H., 10,376 00 P., 5,324 00 E., 3,574 60	150,526 43	84.5	8.3	4.5	2.7	652,630	23.1	19.5	1.9	1.1	.6	47,000	714	210 82
Ellis Mendell	12	P.	1st	B., $103,569 20 H., 9,625 04 P., 5,658 11 E., 3,414 85	114,370 35	83.1	9.1	4.7	3.1	510,386	22.4	18.6	2	1.1	.7	36,000	643	177 87
Jefferson	19	G.	1st	B., $182,261 94 H., 16,927 15 P., 6,449 90 E., 5,251 50	122,267 20	84.7	7.9	4.6	2.8	517,035	23.6	20	1.8	1.1	.7	43,000	612	199 78
					210,890 49	86.4	8	3.1	2.5	856,777	24.6	21.2	2	.8	.6	45,000	1,038	203 17

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.—*Continued.*

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. See Appendix XV. for date.

NAME OF SCHOOL BUILDING.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
						Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
Washington	30	G.	1st	B., $263,661 16 H., 28,305 94 P., 21,417 05 E., 12,157 45	$325,541 60	Per Ct. 81	Per Ct. 8.7	Per Ct. 6.6	Per Ct. 3.7	1,300,792	Cents. 25	Cents. 20.3	Cents. 2.2	Cents. 1.6	Cents. .9	43,000	1,560	$208 68
Christopher Columbus	24	P.	1st	B., $136,966 08 H., 16,244 00 P., 15,519 00 E., 4,783 00	173,512 08	78.9	9.4	9	2.7	727,068	23.9	18.9	2.2	2.1	.7	30,000	1,100	156 32
John Boyle O'Reilly	14	P.	1st	B., $95,712 50 H., 10,227 00 P., 4,040 00 E., 2,859 50	112,839 00	84.8	9.1	3.6	2.5	450,248	25.1	21.2	2.3	1	.6	32,000	672	167 91
Oliver Hazard Perry	14	G.	1st	B., $118,497 38 H., 17,621 50 P., 5,094 00 E., 4,932 75	146,145 63	81.1	12.1	3.5	3.3	612,351	23.9	19.4	2.9	.8	.8	44,000	770	189 80
Mather	30	G.	1st	B., $241,098 44 H., 27,807 00 P., 11,645 50 E., 8,782 05	289,332 99	83.4	9.6	4	3	1,353,831	21.4	17.8	2.1	.9	.6	42,000	1,650	175 36
Thomas Gardner	14	G.	1st	B., $113,769 15 H., 15,994 04 P., 6,038 00 E., 4,466 38	140,267 57	81.1	11.4	4.3	3.2	735,573	19.1	15.5	2.2	.8	.6	52,000	770	182 17

Oliver Wendell Holmes...	24	G.	1st	B., $159,563 85 H., 21,930 18 P., 8,037 00 E., 6,116 99	195,648 02	81.6	11.2	4.1	3.1	991,609	19.7	16.1	2.2	.8	.6	41,000	1,224	159 84
Samuel W. Mason.....	14	P.	1st	B., $99,527 64 H., 10,447 00 P., 4,990 00 E., 3,360 00	118,324 64	84.1	8.8	4.2	2.9	438,223	27	22.7	2.4	1.1	.8	31,000	644	183 73
Dearborn.....	21	G.	1st	B., $182,240 82 H., 20,874 00 P., 8,929 50 E., 5,087 00	217,131 32	84	9.6	4.1	2.3	980,100	22.2	18.7	2.1	.9	.5	47,000	1,100	195 61
John Greenleaf Whittier,	10	P.	1st	B., $61,053 55 H., 7,540 70 P., 3,551 00 E., 2,590 90	74,736 15	81.7	10.1	4.8	3.4	325,051	23	18.8	2.3	1.1	8	32,000	478	156 35
James Otis.....	12	P.	1st	B., $90,867 00 H., 8,767 00 P., 4,889 00 E., 3,295 00	107,818 00	84.3	8.1	4.5	3.1	411,645	26.2	22.1	2.1	1.2	.8	34,000	612	174 54
Joseph Tuckerman.....	10	P.	1st	B., $61,875 79 H., 8,422 00 P., 4,226 70 E., 2,898 76	77,423 25	79.9	10.9	5.5	3.7	330,171	23.5	18.7	2.6	1.3	.9	33,000	480	161 30
Sarah J. Baker.....	24	P.	1st	B., $130,016 23 H., 18,673 00 P., 7,625 00 E., 4,880 00	161,194 23	80.7	11.6	4.7	3	702,384	22.9	18.5	2.6	1.1	.7	29,000	1,152	139 92
William E. Endicott.....	10	P.	1st	B., $64,745 25 H., 7,951 00 P., 3,667 91 E., 2,693 61	79,057 77	81.9	10.1	4.6	3.4	348,883	22.6	18.5	2.3	1	.8	35,000	476	166 09
Nathaniel Hawthorne....	9	P.	1st	B., $54,682 82 H., 7,518 00 P., 3,100 00 E., 2,611 25	67,912 07	80.5	11.1	4.6	3.8	281,305	24.1	19.4	2.7	1.1	.9	31,000	447	151 93

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.—*Continued.*

NOTE— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. See Appendix XV. for date.

Name of School Building.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	Percentage Contracts Bear to Total Cost of Building.				Cubical Contents.	Cost per Cubic Foot.	Proportion Contracts Bear to Cost per Cubic Foot.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
						Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
Charlestown High	....	H.	1st	B., $253,157 94 H., 18,711 25 P., 13,970 00 E., 10,216 00		Per Ct.	Per Ct.	Per Ct.	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
					$296,055 79	85.5	6.3	4.7	3.5	1,267,608	23.4	19.9	1.6	1.1	.8	.....	540	$548 25
Normal and Latin Group.																		
Common Building	....	H.	1st															
Normal School	....	H.	1st	B., $276,559 15 H., 26,338 97 P., 13,169 48 E., 13,169 48														
					329,237 08	84	8	4	4	1,112,234	29.6	24.9	2.3	1.2	1.2	.....	359	940 65
Girls' Latin	....	H.	1st	B., $249,577 77 H., 23,769 31 P., 11,884 66 E., 11,884 65														
					297,116 39	84	8	4	4	1,108,193	26.8	22.5	2.1	1.1	1.1	.....	600	495 19
Patrick A. Collins	17	G.	1st	B., $148,397 59 H., 14,133 10 P., 7,066 55 E., 7,066 55														
					176,663 79	84	8	4	4	725,561	24.3	20.4	1.9	1	1	43,000	904	195 42
Edward Everett	14	G.	1st	B., $82,868 43 H., 15,542 00 P., 4,665 00 E., 4,440 00														
					107,515 43	77.1	14.5	4.3	4.1	516,678	20.8	16	3	.9	.9	32,000	614	175 17

Nathan Hale *.....	12	P.	1st	B., $54,599 35 H., 6,682 00 P., 3,397 47 E., 2,553 00	67,231 82	81.2	10	5	3.8	333,379	20.2	16.4	2	1	.8	28,000	480	140 08
John Cheverus.....	16	G.	1st	B., $80,268 04 H., 11,975 00 P., 5,040 31 E., 4,793 00	102,076 35	78.6	11.7	5	4.7	535,474	19	14.9	2.2	.9	.8	30,000	704	145 89
Peter Faneuil.....	17	P.	1st	B., $91,333 05 H., 7,977 00 P., 4,485 95 E., 4,283 50	108,079 50	84.5	7.4	4.2	3.9	431,886	25	21.1	1.9	1	1	24,000	760	142 21
Dorchester High Addition, ...		H.	1st	B., $110,996 60 H., 12,933 00 P., 6,170 37 E., 4,762 68	134,862 65	82.3	9.6	4.6	3.5	580,869	23.2	19.1	2.2	1.1	.8	.....	700	192 62
Abraham Lincoln.....	40	G.	1st	B., $229,396 85 H., 24,097 58 P., 15,381 00 E., 11,213 00	280,088 43	81.9	8.6	5.5	4	1,158,533	24.2	19.8	2.1	1.3	1	28,963	1,820	153 89
William Lloyd Garrison,	10	G.	1st	B., $51,950 30 H., 6,688 00 P., 3,823 18 E., 3,690 00	66,151 48	78.5	10.1	5.8	5.6	275,640	24	18.8	2.4	1.4	1.4	27,564	460	143 81
Girls' High Addition.....	....	H.	1st	B., $97,396 70 H., 9,716 50 P., 3,274 39 E., 4,075 00	114,462 59	85.1	8.5	2.9	3.5	522,018	21.9	18.6	1.9	.6	.8	.....	400	286 16
Samuel Adams.....	16	G.	1st	B., $84,553 84 H., 11,701 50 P., 5,668 00 E., 5,595 00	107,518 34	78.6	10.9	5.3	5.2	481,016	22.4	17.6	2.4	1.2	1.2	34,358	632	170 12
Lafayette †.....	8	P.	1st	B., $51,564 96 H., 5,321 34 P., 3,544 84 E., 2,703 50	63,134 94	81.7	8.4	5.6	4.3	220,269	28.7	23.4	2.4	1.6	1.3	27,534	352	179 36

* Roof second class.

† Contains Assembly Hall.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.—*Continued.*

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. See Appendix XV. for date.

NAME OF SCHOOL BUILDING.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
						Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
John Lothrop Motley	4	P.	2d	B., $18,395 25 H., 2,310 00 P., 1,205 00 E., 600 00	$22,510 25	Per Ct. 81.7	Per Ct. 10.3	Per Ct. 5.4	Per Ct. 2.6	99,445	Cents. 22.6	Cents. 18.5	Cents. 2.3	Cents. 1.2	Cents. .6	24,861	172	$130 87
Charles Bulfinch	12	P.	2d	B., $64,545 73 H., 6,980 00 P., 3,900 00 E., 3,500 00	78,925 73	81.8	8.8	5	4.4	365,368	21.6	17.7	1.9	1.1	.9	30,447	538	146 59
John Winthrop	16	G.	2d	B., $87,073 54 H., 13,500 00 P., 5,300 00 E., 4,800 00	110,673 54	78.7	12.2	4.8	4.3	601,047	18.4	14.5	2.2	.9	.8	37,565	724	152 83
Edmund P. Tileston	16	G.	2d	B., $106,492 55 H., 13,189 50 P., 6,543 50 E., 5,952 55	132,178 10	80.6	10	4.9	4.5	688,288	19.2	15.5	1.9	1	.8	42,785	724	182 57
George T. Angell	8	P.	2d	B., $45,153 50 H., 5,000 00 P., 2,900 00 E., 2,101 00	55,154 50	81.9	9.1	5.2	3.8	208,762	26.4	21.6	2.4	1.4	1	26,095	352	156 69
Ulysses S. Grant	18	G.	2d	B., $92,797 91 H., 13,722 05 P., 5,451 13 E., 4,538 00	116,509 09	79.6	11.8	4.7	3.9	592,171	19.7	15.7	2.3	.9	.8	32,898	822	141 74

Lewis	17	G.	2d	B., $85,416 29 H., 12,600 00 P., 4,600 00 E., 5,474 00	108,090 29	79	11.7	4.2	5.1	642,178	16.8	13.3	2	.7	.8	37,775	778	138 93
Benedict Fenwick	12	P.	2d	B., $49,356 45 H., 8,150 00 P., 3,331 00 E., 2,044 00	62,881 45	78.5	13	5.3	3.2	322,424	19.5	15.3	2.5	1	.7	26,869	547	114 96
William Bradford	8	P.	2d	B., $32,638 04 H., 5,987 00 P., 2,700 00 E., 1,389 00	42,714 04	76.4	14	6.3	3.3	251,002	17	13	2.4	1.1	.5	31,375	372	114 82
Roxbury High Annex	....	H.	2d	B., $60,354 12 H., 8,864 24 P., 4,940 80 E., 5,498 79	79,657 95	75.8	11.1	6.2	6.9	413,359	19.3	14.6	2.1	1.2	1.4	.....	200	398 29
Ellen H. Richards	8	P.	2d	B., $33,460 15 H., 6,600 00 P., 3,384 50 E., 1,145 11	44,589 76	75	14.8	7.6	2.6	229,258	19.5	14.6	2.9	1.5	.5	28,637	366	121 83
Mozart	4	P.	2d	B., $17,690 00 H., 2,870 00 P., 1,816 00 E., 515 00	22,891 00	77.3	12.6	7.9	2.2	108,542	21.1	16.3	2.7	1.7	.4	27,133	148	154 67
Martha A. Baker	4	P.	2d	B., $19,474 91 H., 2,828 00 P., 1,853 00 E., 402 00	24,557 91	79.3	11.5	7.5	1.7	127,650	19.2	15.2	2.2	1.4	.4	31,912	160	153 49
John J. Williams	12	P.	2d	B., $53,538 44 H., 8,500 00 P., 4,100 00 E., 3,000 00	69,138 44	77.5	12.3	5.9	4.3	303,295	22.8	17.7	2.8	1.3	1	25,276	495	139 67
John D. Philbrick *	8	P.	2d	B., $43,822 25 H., 8,000 00 P., 4,020 90 E., 3,820 60	59,663 75	73.4	13.4	6.7	6.5	305,209	19.5	14.3	2.6	1.3	1.3	38,151	333	179 17

*Contains Assembly Hall.

Table Showing Cost of Buildings, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.— *Concluded.*

NOTE.— Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in class-rooms only. See Appendix XV. for date.

NAME OF SCHOOL BUILDING.	Number of Class-rooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CONTRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet, Class-room.	Children Accommodated.	Cost per Pupil.
						Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
						Per Ct.	Per Ct.	Per Ct	Per Ct.		Cents.	Cents.	Cents.	Cents.	Cents.			
High School of Practical Arts.	....	H.	1st	B., $240,190 20 H., 23,390 00 P., 14,923 69 E., 22,346 78	$300,850 67	79.8	7.8	5	7.4	1,222,909	24.6	19.6	1.9	1.2	1.9	.....	1,000	$300 85
Philip H. Sheridan.....	12	P.	2d	B., $55,541 00 H., 9,617 94 P., 4,823 00 E., 4,230 00	74,211 94	74.8	13	6.5	5.7	338,832	21.9	16.4	2.8	1.4	1.3	28,236	495	149 92
Florence Nightingale.....	10	P.	2d	B., $45,929 14 H., 8,100 00 P., 3,500 00 E., 2,836 00	60,365 14	76.1	13.4	5.8	4.7	272,303	22	16.7	3	1.3	1	27,230	391	154 39
Mary Lyon.....	6	G.	2d	B., $26,917 31 H., 5,254 00 P., 2,322 00 E., 2,853 31	37,346 62	72.1	14.1	6.2	7.6	189,420	19.7	14.2	2.8	1.2	1.5	31,570	224	166 73
George Frisbie Hoar. ...	12	P.	2d	B., $53,509 91 H., 8,985 00 P., 4,045 00 E., 2,591 43	69,131 34	77.4	13	5.9	3.7	305,204	22.6	17.5	2.9	1.3	.9	25,434	519	133 20
Quincy E. Dickerman....	16	P.	2d	B., $70,934 91 H., 10,300 00 P., 4,450 00 E., 2,773 88	88,458 79	80.2	11.7	5	3.1	394,374	22.4	18	2.6	1.1	.7	24,648	677	130 66

High School of Commerce.	....	H.	1st	B., $399,427 49 H., 35,896 65 P., 21,532 00 E., 23,616 30																
William Blackstone*	24	G.	1st	B., $139,954 75 H., 17,505 00 P., 8,276 50 E., 6,746 59	480,472 44	83.1	7.5	4.5	4.9	1,971,619	24.4	20.3	1.8	1.1	1.2	.....	1,600	300 30		
Boston Trade School* ...	....	S.	1st	B., $224,172 49 H., 22,768 45 P., 9,700 70 E., 23,371 90	170,482 84	80.9	10.3	4.8	4	720,840	23.6	19.1	2.4	1.1	1	30,035	1,056	161 44		
Mary Hemenway.....	17	P.	....	B., $109,615 00 H., 14,000 00 P., 7,435 00 E., 6,350 00	280,013 54	80.1	8.1	3.5	8.3	1,224,524	22.9	18.3	1.9	.8	1.9					
Hyde Park High, Addition.	....	H.	1st	B., $90,024 37 H., 9,978 53 P., 3,000 00 E., 6,150 00	137,400 00	79.8	10.2	5.4	4.6	431,524	31.8	25.4	3.2	1.7	1.5	25,384	764	179 84		
Robert G. Shaw.....	16	P.	1st	B., $137,600 00 H., 17,440 00 P., 9,500 00 E., 9,460 00	109,152 90	82.5	9.2	2.7	5.6	322,464	33.8	27.9	3.1	.9	1.9	.....	600	181 92		
Henry L. Pierce.....	16	P.	1st	B., $128,577 00 H., 14,500 00 P., 9,000 00 E., 9,150 00	174,000 00	79.1	10	5.5	5.4	564,707	30.8	24.3	3.1	1.7	1.7	35,294	704	247 16		
					161,227 00	79.7	9	5.6	5.7	437,871	36.8	29.3	3.3	2.1	2.1	27,367	704	229 02		

* Cost to February 1, 1917.

APPENDIX VIII.

INSTRUCTIONS TO ARCHITECTS.

ARCHITECTS' SERVICES.

Every Architect employed by the Schoolhouse Commissioners of the City of Boston, as the architect for erecting a building, is to perform the duties hereinafter provided.

This Agreement, made day of in the year one thousand nine hundred and by the City of Boston, acting through the Board of Schoolhouse Commissioners, party of the first part, and party of the second part, hereinafter designated the Architect.

Witnesseth, That the Architect, in consideration of the agreements herein made by the City, agrees with the said City as follows:

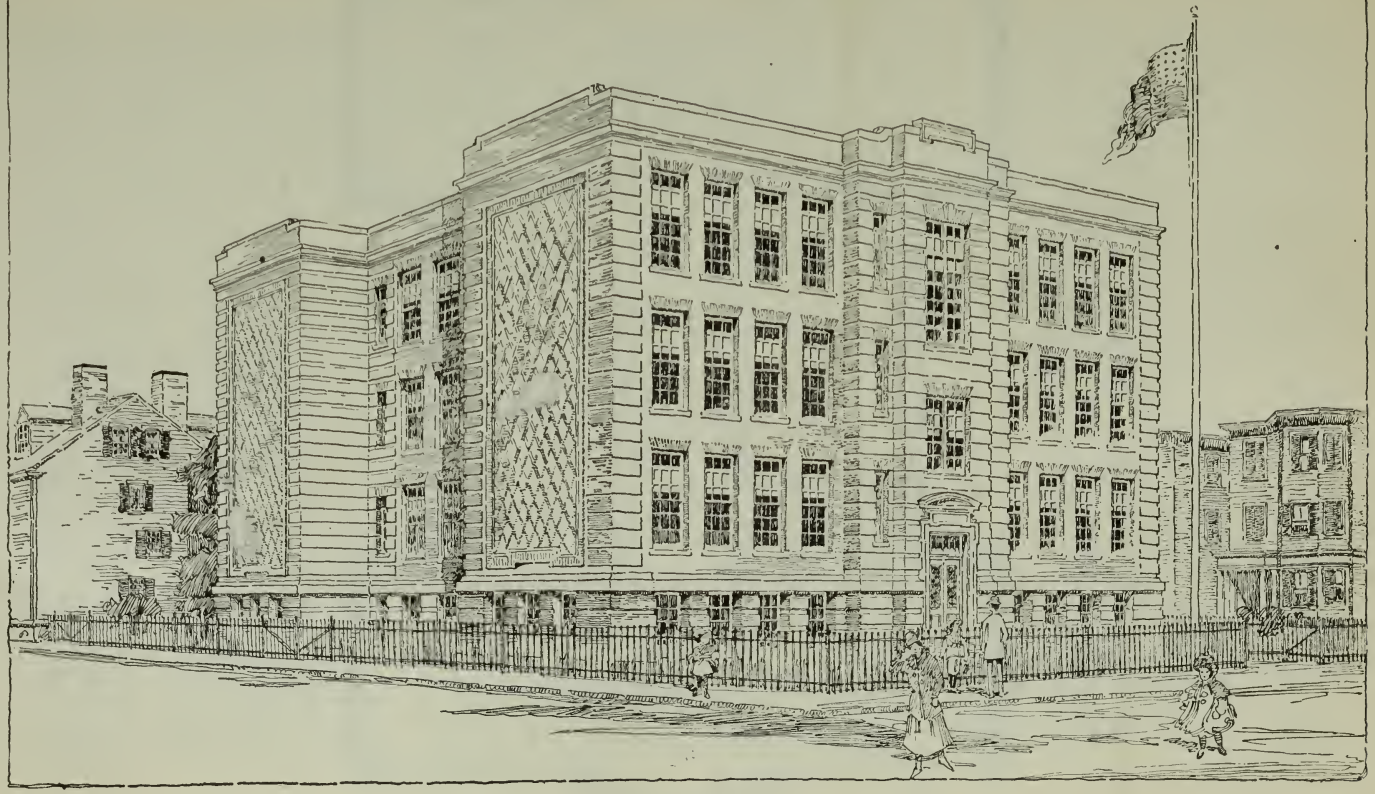
SECTION 1.— *The Board.*— (*a.*) Is to furnish the Architect with the requirements and information for the design and construction of the building for which he is the Architect, and give the approximate cubical contents and proposed cost per cubic foot thereof:

(*b.*) Is to provide the services of domestic engineers to confer with the Architect during the preparation of preliminary studies, and when these are accepted by the Board to advise the Architect in the details of their work, and make the necessary working drawings and specifications for (excepting plumbing), and have the direction of, the plumbing, heating, ventilating and electric work for the building, said work being hereinafter designated as the domestic engineering;

(*c.*) Is to give the grade and lines of streets and adjoining lots;

(*d.*) Is to give all information regarding the lot, and on request of the Architect, or any person doing work on the building, furnish information relating to the above, the sewer, water, gas and electric service, and to the rights, restrictions and boundaries of the lot on which the building is to be constructed.

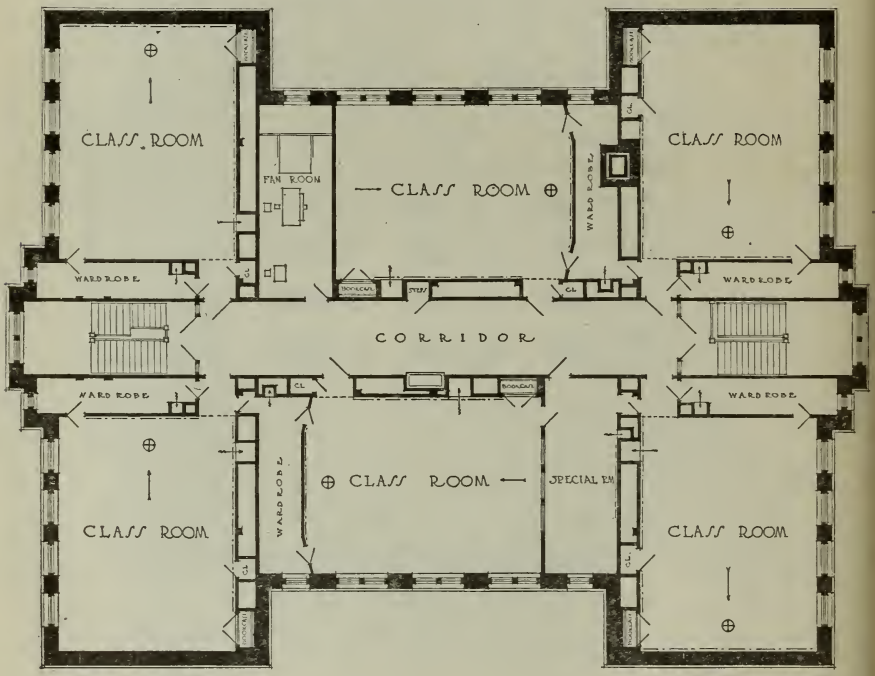
SECT. 2.— *The Architect.*— (*a.*) Is to consult and advise with the Board and make such preliminary studies as will acquaint the Board with the contemplated arrangement, design, construction and cubical contents of the building, and enable it to agree with the Architect upon a definite limit of cost therefor, and to accept said preliminary studies as the basis



JAMES OTIS SCHOOL — THIRD STORY ADDITION.

DESMOND & LORD, Architects.

ALTERATION AND ADDITION TO
JAMES OTIS ELEMENTARY SCHOOL BUILDING
U.S GRANT DISTRICT PARIS AND MARION STREETS EAST BOSTON
DESMOND & LORD ARCHITECTS
15 BEACON STREET BOSTON



THIRD FLOOR PLAN

SCALE
⊕ INDICATES TEACHERS DESK
—— " WAY PUPILS FACE
-·-·- " BLACKBOARDS

of working drawings and specifications; he shall submit the preliminary studies to the Board not later than fifteen (15) days after the receipt by him of the plan of the site on which the building is to be erected;

(*b.*) Is to make upon the basis of said preliminary studies one complete set of working drawings in ink on tracing cloth, floor and framing plans, sections and elevations at one-eighth scale, plumbing drawings and such detail drawings on a larger scale as are necessary to explain the specifications; he shall submit the complete, finished drawings and specifications not later than ninety (90) days after the acceptance of the preliminary study by the Board;

(*c.*) Is to furnish one complete typewritten set of specifications for everything, including plumbing, to be furnished or done in constructing the building, except the domestic engineering, and is to revise and correct the printer's proofs;

(*d.*) Is to cause the drawings and specifications furnished by him to conform to all regulations of law and public authorities, and to be in accordance with established methods of building construction, faithfully carry out all the foregoing provisions, use all proper knowledge, skill and care therein, and be accountable for any failure so to do.

(*e.*) Is to loan to the Board, to make blueprints therefrom, the said set of working drawings;

(*f.*) Is to restudy, and if necessary redraw, without charge, any or all of said drawings and specifications, if the lowest bid for doing the work in accordance therewith overruns the limit of cost agreed upon by the Architect and the Board;

(*g.*) He shall have the certification of a Construction Engineer approved by the Board for the construction plans and details; and then shall make application for a building permit to the Building Department on a form signed by the chairman of the Board, and deliver to the Building Department two sets of such blueprints from the said set of working drawings as may be required by the Building Department (the Board furnishing specifications to the Building Department);

(*h.*) Is, upon the signing of contract, to deliver to the Board, to remain their property, two sets of cloth blueprints taken from the said set of working drawings, a perspective drawing of the exterior of the building and such floor plans as the Board may request suitable for reproduction, and at the conclusion of the work a complete set of working drawings on tracing cloth, either the set previously referred to or a copy therefrom, which shall be corrected to agree with and embody all changes made during construction;

(*i.*) Is to have general supervision of the domestic engineering and be the Architect of all other work to be done under any written contract for the construction of the building, and render the full usual Architect's services and supervision for such other work;

(*j.*) Is, in the form prescribed by the Board, to make all estimates and allowances for payments under any contract in which he is made the Architect of the work, and such estimates for the domestic engineering are to be accompanied by certificates of said Engineers as to their accuracy, subject to approval of the Board;

(*k.*) Is to advise with the Board on any changes in the building contemplated by the Board, and is to order changes when required by the Board so to do;

SECT. 3.— (*a.*) The city, as full compensation for the services aforesaid, is to pay the Architect 2⅖ per cent upon the cost of the domestic engineering, exclusive of plumbing, and 6 per cent upon the cost of all other work;

(*b.*) Payments to be made as follows: Three and three-fifths per cent upon all contracts other than those for domestic engineering is to be paid on the signing of such contracts, and thereafter 2⅖ per cent upon the value of the materials and labor, as specified in each estimate for payment under the contract, is to be paid on the making of the estimate, until the full payment aforesaid is made, and if any thereof remains unpaid at the completion and final acceptance of the work, it is then to be paid. When preliminary studies are completed, the value of the Architect's services to date shall be reckoned one-sixth of the estimated total commission; when working drawings and specifications are ready for contract, if for any reason the signing of contracts is delayed, the value of his services to date shall be reckoned at 3⅗ per cent of cost based on allowance for building given by the Board to the Architect. If the Board discontinue the services of the Architect at any intermediate stage the value of his services shall be reckoned proportionately. Five per cent on cost of domestic engineering, exclusive of plumbing, and 10 per cent on other work will be paid to Architects on all changes and alterations made within or to existing buildings. Additions and extensions made outside of such buildings to be regarded as new work and the commission to be reckoned on that basis.

SECT. 4.— When for any reason other than those stated in section 2, paragraph (*f.*) above, the Board shall set aside the whole or any part of an Architect's studies, drawings and specifications while retaining him to prepare corresponding new studies, drawings and specifications for the same school building, the city shall pay the Architect for the work thus set aside a sum not exceeding twice the actual cost of draughting, and the new work shall be paid for on a commission basis, as stated in section 3, above. Payments for all work thus set aside under this section shall be made at the discretion of the Board.

SECT. 5.— In the above agreement the term "building" is used to define not only the structure itself but all work in connection with it committed to the Architect by the order of the Board, as fencing, grading, roads, walks, planting, decorative painting and sculptural decoration.

The Architect will further render all services of any kind mentioned in the contract executed for the construction of said school buildings and incidental to or necessary for the performance thereof, until the builder shall be released from all responsibility in respect thereof.

The Architect will not order any variations or extras without the sanction of the Board of Schoolhouse Commissioners in writing, nor in any way exceed his authority as laid down in the building contract.

No rule of any society or any custom of engineers, architects or surveyors shall be binding on the party of the first part.

In witness whereof, the said hereunto set their hand and seal, and the City of Boston has caused these presents to be signed by the chairman of the Board of Schoolhouse Commissioners, hereunto duly authorized, the day and year as above written.

CITY OF BOSTON,
By
BOARD OF SCHOOLHOUSE COMMISSIONERS,

.....
Chairman.

.....
Architect.

Approved:

.....
Mayor.

Form of Contract Approved:

.....
Corporation Counsel.

APPENDIX IX.

GENERAL INFORMATION AS TO STANDARD REQUIREMENTS FOR SCHOOL BUILDINGS AND YARDS.

YARDS.

(1.) *Grading.*— Grade the yards as determined after consultation with the commissioners.

(2.) *Fences.*— Provide fences, planting, etc., as determined after consultation.

(3.) *Gates.*— Provide the gates in fences inclosing the yards with hasp and staple to receive the Department Standard yard padlock, which will be furnished by the Department outside of the general contract.

(4.) *Play-yards.*— Play-yards located on the sunny side of the building are desired and approximately 30 square feet per pupil should be provided. Play-yards are to be paved with hard-burned bricks, laid flat in sand and sloping at proper grades to catch-basins connecting to sewer.

(5.) *Walks.*— Pave the walks and approaches with hard-burned brick laid flat in sand.

(6.) *Curbs.*— Curbs forming borders may be paved with brick laid on edge. Bull-nose brick may be used for curbs.

(7.) *Sidewalks.*— Sidewalks for public use outside of the lot line and curbs for same are to be included in general contract for building as an allowance.

(8.) *Basement Entrances.*— Separate entrances are to be provided for boys and girls from their respective yards to the play-room. Areas, steps and inclines are to be avoided wherever possible. A separate entrance for janitor to boiler-room may be provided. A proper entrance for coal and exit for ashes should be provided.

(9.) *Driveways.*— Driveways such as for coal and ash teams are to be paved with vitri-

fied pavers laid at the proper pitches, and in cement mortar on a sufficiently thick concrete base.

(10.) *Flagstaff.*— Provide a flagstaff 20 feet long extended from a wall of the building with halliards, truck, etc., complete.

NOTE.— All the above items except as noted to be included in the general building contract.

ELEMENTARY AND JUNIOR HIGH SCHOOL.

In General.— Elementary schools are subdivided into upper and lower. Lower includes Grades I., II. and III., and are to have 12-inch by 18-inch desks. The buildings for the lower grades are to have besides the class-rooms required, rooms for teachers, nurse, book storage and emergency closets. Sufficient storage room for supplies, etc., shall be provided in the basement. The upper elementary buildings are to contain Grades IV. to VIII., inclusive, and are to have besides the class-rooms required an assembly hall and rooms for master, teachers, nurse, book storage and emergency closets.

Grades IV., V. and VI. are to have 15-inch by 21-inch desks and Grades VII. and VIII. are to have 16-inch by 23-inch desks.

Junior High School rooms are to have 20-inch by 26-inch desks.

Desks are to be spaced according to standard seating plan.

THE BUILDING. The building will be either "Lower Elementary," "Upper Elementary" or "Upper Elementary and Junior High," as above mentioned. This will be determined by the commissioners, who will act as an intermediary between architects and the school authorities and committee. Relations between commissioners, architects and contractors to be as defined by a contract. Commissioners are to determine the type of construction of the building.

Orientation.— It is desired to place the building so that each class-room should receive sunlight during some portion of the day.

Setting.— Set the building above grade so that the play-rooms are well lighted and entrances are provided into basement play-rooms as before mentioned. (See Basement Entrances.) Boiler-room floor wash to drain direct to sewer wherever possible.

Heat and Vent Flues.— To be of galvanized iron or masonry, as determined by the commissioners. If of masonry, to have joints neatly struck and the inner surface fairly smooth.

Fireproofing.— Doors for boiler-room and coal-pocket to be metal covered. Boiler-room doors to be self-closing. Closets should be provided for electrician as needed for batteries, switch boards, etc.

A paper burner should be provided in connection with the boiler room as directed.

Bulletin boards should be included in general contract.

LOWER ELEMENTARY. This type of building, in addition to the foregoing requirements, is to have kindergarten room where so directed by commissioners.

UPPER ELEMENTARY. This type of building, in addition to the requirements for the lower elementary, should contain an assembly hall with its necessary rooms, and a master's room with waiting room, if so directed. Rooms for cooking, manual training, etc., are to be provided when called for by the commissioners.

JUNIOR HIGH SCHOOL. This type of building includes rooms for first year high school and upper elementary schools, and except for certain large class-rooms is practically the same as upper elementary building.

SCHOOL-ROOMS. (1.) *Size* will be 23 by 29 for lower and upper elementary grades, 26 by 32 for junior high and not less than 12 feet high in clear. Modification allowable only after consultation with the Board. Desks should be laid out on the preliminary plans. (See drawing.) Every class-room shall be consecutively numbered on the plans to designate it. These numbers to be for the doors, as noted below, and for the annunciator. Other rooms that appear on the annunciator to be named on the plans, as assembly hall, teachers' or master's room, cooking room, manual training room. The kindergarten shall be counted as a class-room. In high schools, both class and recitation rooms to be numbered, other rooms named.

(2.) *Windows* will be on the long side for left-hand lighting. The glass measured inside the sash shall contain not less than one-fifth of floor area; neither double run of sash nor double glazing nor weather strips will be

required, the head square and close to the ceiling; the sill about 2 feet 6 inches from the floor where a gravity indirect system of heating is installed and 2 feet 11 inches where there is to be a plenum system; the windows divided with muntins, no large sheets of glass. Finished with plastered jamb, metal corner bead, without architrave.

(3.) *Doors.*— One to corridor, 3 feet 6 inches by 7 feet, partly glazed, to open out, placed preferably near the teacher's end; all as per standard details (two doors may be desired under certain conditions); brass-plated, ball-bearing steel butts, 4-lever mortise lock, master keyed; cast brass knobs, marble flush thresholds to corridors for first-class construction. Doors to have 2-inch plain enameled bracketed number plates, card-holders, $3\frac{1}{2}$ inches by 5 inches, and hooks to hold open.

(4.) *Floors* will be maple.

(5.) *Walls* will be painted burlap up to top of blackboards, or of tack boards, and above this plaster tinted in water-color,— a warm gray green or buff gives the best results,— the blackboards 4 feet high, 2 feet 2 inches from floor in kindergarten, 2 feet 4 inches to 2 feet 6 inches in Grade IV., and 2 feet 8 inches in Grade V. to VIII.; behind the teacher and on the long side. These will be of best black slate $\frac{1}{4}$ inch thick. At end, in place of blackboard, soft wood sheathing with cork carpet securely attached to it for a tack board, to extend from base to the moulding at top of blackboards, to have wood strips to cover tacks. In lower grades a card-rack is required above the blackboard only. A picture moulding at top of burlap and also near ceiling in all rooms. (See drawings.)

(6.) *Ceilings* will be level, plaster tinted a light cream color. Ceiling angles square.

(7.) *Artificial Light.*— Nine stiff pendent, 60-watt electric fixtures on three switches. No gas.

(8.) *Heating and Ventilation.*— The inlet for heat about 5 square feet, the outlet for ventilation about 5 square feet.

(9.) *Bookcase.*— Provide a bookcase in any convenient position, about 5 feet 9 inches long; upper doors fitted with cylinder locks,

and latch and knob; drawers fitted with locks and small brass pulls. Lower doors to have knobs and cylinder locks; same lock in each bookcase; all bookcase locks master keyed. (See drawing.) Special equipment for care of books where school is held day and evening is desired, similar to that existing at the Charlestown High School, so that the books of the day pupils will be put away in pigeonholes, leaving the desks free for evening use.

(10.) *Teacher's Closet.*— Provide a small closet for teacher's coat and hat, preferably opening from the class-room, but allowable from the wardrobe, closet to have about 6 hooks and one shelf.

FRESH-AIR ROOMS.

The School Committee is responding to the more general demand for fresh-air rooms for children who are anæmic or of tubercular tendencies. At present all that the Board is advising to meet this new demand is that a sunny room, preferably a corner room, be chosen for this work, and that the windows on one or on two sides be made casement, to open out, or as the Board may direct; and that the heat be largely direct, so that the temperature can be quickly raised, if necessary, when the windows are closed. Otherwise these rooms will be the same as other class-rooms.

WARDROBES.

(*a.*) (1.) *Size.*— Wardrobes will adjoin schoolrooms and be from 4 feet to 6 inches to 5 feet wide in the clear; 6 feet where compartments are used. The Board is to be consulted as to the type of wardrobe, as in certain cases they may prefer the approved standard type of Chicago wardrobe.

(2 and 3.) *Windows and Doors.*— Outside light, two doors, both connecting with schoolroom, and not to corridor, and having no thresholds. Doors, double swung, 2 feet 6 inches wide, brass double-acting butts, foot and hand plates, hooks or adjustable stops to hold open, ventilation under door farthest from vent.

(4.) *Floors.*— Maple. For all cases, to have a drip gutter for umbrellas, lined with heavy zinc, all joints soldered and tight.

(5.) *Walls.*— Painted burlap to a height of 7 feet, poles on brass-plated iron brackets with hooks under and pins over, 44 in number; umbrella clips and drip gutter below. (See drawing.) Walls above, plaster, tinted. Height

of lower pole, kindergarten, 30 inches from floor; lower grades, 36 inches to 40 inches; upper grades, 44 inches, 48 inches and 52 inches; distance between poles, 8 inches for elementary, 12 inches for upper grades. Pins and hooks, 6 inches to 12 inches on centres for elementary and 16 inches to 18 inches for upper grades. Each hook to have a painted number $1\frac{1}{4}$ inches high.

(6.) *Ceiling.*— Plaster, untinted.

(7.) *Artificial Light.*— One stiff pendent, 40-watt, electric fixture. Switch in classroom.

(8.) *Heating and Ventilation.*— Heating, direct. Ventilation, vent duct, $1\frac{2}{3}$ square feet area cross section.

CORRIDORS AND VESTIBULES.

(1.) *Size.*— Not less than 8 feet wide for four rooms on a floor; not less than 10 feet for over four rooms, governed by length, access to stairs, etc.

(2.) *Windows.*— Outside light essential. Where necessary provide windows through class room walls over the blackboard moulding.

(3.) *Doors.*— Main outer doors to open out, heavy butts, standard, master keyed, school lock; lock set to be furnished by the department but set by the contractor; door check; heavy hooks to hold open. Vestibule doors open out, heavy butts, pulls, push plates, hooks to hold open, door checks, no locks. Other doors to basement open out, and fitted with mortise lock with knob on inside only. Other hardware as above. All outside doors to be $2\frac{1}{4}$ inches thick, and to be made solid, no veneer.

(4.) *Floors.*— Terrazzo divided into areas not to exceed 80 square feet, by set joints, and to have terrazzo or marble base for first-class construction. Wood floor and base second-class construction.

(5 and 6.) *Walls and Ceilings.*— A light, glazed brick, untinted walls and ceilings. If walls of common brick, to have smoothly struck joints and painted; if walls of plaster, to have burlap 7 feet high — painted. Put picture moulding at ceiling in corridors if plastered.

(7.) *Artificial Light.*— Stiff pendent electric fixtures, 40 or 60 watt, for corridors and vestibules, and one-light brackets for stairway, also gas for emergency in corridors, on stairs, and in vestibules.

(8.) *Heating and Ventilation.*— Heat direct, supplemented by foot warmers on first floor. Ventilation where possible.

(9.) *Sinks and Closets.*— On each floor above the first, one or two 4-foot sinks, with 4 fountains and 1 faucet.

STAIRCASES.

(1.) *Number and Arrangements.*— Determined by the Board, and not over 5 feet wide or less than 4 feet wide in the clear.

(2.) *Material.*— The treads, North River stone on iron string, or concrete construction with granolithic surface for first-class construction. Rails of a simple pattern, easily cleaned; wall rails are desired.

(3.) *Steps.*— Rise about $6\frac{1}{2}$ or 7 inches, treads about $10\frac{1}{2}$ inches. Rail not less than 2 feet 8 inches on runs and 3 feet on landings.

(4.) *Exits.*— Exits from the lower landings of stairs are desired. These may have emergency bolts where so desired. Fire escapes may be desired when recommended by the Building Department and after consultation with the Board.

SANITARIES.

(1.) *Size.*— General toilet-rooms in basement, in size approximating space for $1\frac{7}{8}$ water-closets for each school-room, *i. e.*, $\frac{5}{8}$ boys and $1\frac{1}{4}$ for girls, and 33 inches of urinal for every school-room, arranged for convenient supervision and circulation. Slate sinks, length from 10 inches per class-room in small buildings to 6 inches per class-room in large buildings, located preferably in the play-rooms. The above refers to mixed schools.

(2.) *Windows.*— Ample outside light; glazed where exposed to view outside with ribbed glass; to have wire guards.

(3.) *Doors.*— The doors arranged "in" and "out," with spring or door check and stout brass hooks to hold open; glazed with ribbed glass; half doors to water-closets.

(4.) *Floors.*— Asphalt. Boys' drained to urinal, girls' to floor washes.

(5.) *Walls.*— Salt-glazed brick or other nonporous inexpensive surface, 7 feet high; above, brick painted and enameled.

(6.) *Ceiling.*— Untinted plaster or whitewashed concrete. Basement ceiling need not be furred level for first-class construction. For second-class construction ceiling should be plastered.

(7.) *Artificial Light.*— Ceiling or short pendent electric fixtures.

(8.) *Heat and Ventilation.*— Heat direct. Ventilation through water-closets and space back of urinals, allow 10 square inches local vent for each water-closet and 8 square inches for each lineal foot of urinal.

PLUMBING FIXTURES.

(1.) *Water-closets.*— The pupils' water-closets for elementary schools are wash down closets; siphon action; upper classes, $16\frac{1}{2}$ inches high; lower classes; $13\frac{1}{2}$ inches high. Teachers' same with raised rear vent $16\frac{1}{2}$ inches high. (See drawing.)

(2.) *Partitions.*— To be $\frac{7}{8}$-inch slate, supported at ends with iron pipe about 8 feet high, tied together and to the wall, to which doors are hung. Back partition of water-closets to be slate. (See drawing.)

(3.) *Urinals.*— The urinals will be of slate, floor slab, trough and back, with partitions where requested, flushed automatically from special tank, through $\frac{7}{8}$-inch perforated pipe, with cold water; vented at bottom into space behind. (See drawing.)

(4.) *Sinks* of black slate, two self-closing cocks, and jet drinking fountains, set 20 inches on centres. A sink is desired for janitor unless there is one near by.

(5.) *Floor Washes* in sanitaries and play-rooms as already mentioned. (See drawing.)

(6.) *Piping.*— (*a.*) Cast iron must be laid on good footing in basement, clean-outs at every change of direction. Soils and vents exposed as far as possible, no asphaltum, red lead and three coats of paint.

(*b.*) *Supplies.*— Exposed as far as possible; where covered may be plain brass, elsewhere polished brass; nickel plate where desired. Hot water for janitor's use in basement, cooking-room, pupils' sinks, and for master's, nurses', and teacher's rooms. Supply from boiler and from summer boiler, if any, or from an independent hot water heater. No auxiliary supply wanted for water-closet tanks.

(*c.*) *Fire Lines.*— In building three stories high or over one or more lines of 3-inch pipe if requested by the Board.

PLAY-ROOMS.

All free basement space to be arranged as play-rooms for boys and girls. Walls to have dust proof, salt-glazed brick to a height of 7 feet and of selected hard brick above painted

with cold water paint, granolithic floors, plaster ceilings or white-washed concrete. Basement doors and windows to have wire guards in channel iron frames; guards to be hinged and padlocked. Doors are desired from the play-rooms to the play-yards. Areas at doors are not desired.

MASTER'S AND TEACHERS' ROOMS.

(1.) In each school of the upper grades a room of about 240 square feet for the master, with a water-closet and bowl and a book-closet adjoining. This room should be near the centre of the building, *i. e.*, on the second floor, in a three-story building. In all schools a room or rooms for teachers, averaging about 300 square feet for ten teachers, with water-closet and bowl. Doors to be clearly marked "Master" or "Teachers" in painted letters and one water-closet and bowl on each floor of six rooms for teachers' emergency.

(2.) Where men as well as women are teachers, provide a separate room with toilet accommodations for men.

SPECIAL ROOMS.

ASSEMBLY HALLS.

Assembly halls should accommodate from 400 to 800 as the Board may direct. It is not considered necessary to seat the full number of pupils in schools of greater capacity. The floor to be level and of wood like class-rooms. The windows to be fitted with rebated mouldings to take opaque shades, and so designed as to make the operation of shades practical and simple. (See department standard detail.) The platform should be capable of accommodating one, or, in the large schools, two classes. Galleries may be used where the hall is two stories in height. Anterooms near the platform are desirable. A dignified architectural treatment of the walls and a studied color scheme for walls and ceiling shall be submitted to the Board for approval. The lighting, acoustics and exits should be such as belong to a small lecture hall. Artificial lighting to be under control from at least two points, one of which must be near an exit. Electric outlet for 30-ampere projection lantern, 25 feet from curtain. Provide recess in ceiling over platform for spring-rolled curtain 13 feet long. For assembly hall an allowance in cubing is made by the Board of two class-rooms for

schools of medium size, that is, about sixteen class-rooms, and four class-rooms for schools of larger size, *i. e.*, over sixteen class-rooms, to represent the added area for this purpose.

MANUAL TRAINING ROOMS.

(1.) *Size.*— Room, generally located in basement, if floor can be above grading, should be approximately 900–1,000 square feet, preferably a corner room, and the larger of the two allowed sizes of rooms, and arrangement shown by drawing, for number of benches there given, 25. In elementary schools for boys 22 benches are sufficient.

If in basement this room is not to be counted as one of the class-rooms.

(2.) *Light.*— The windows should be as near full length as possible and on two sides. Artificial light in stiff pendent electric fixtures, one light to every four benches.

(3.) *Floors.*— Of wood.

(4.) *Walls.*— A basement room should be finished as a shop; salt-glazed brick up to 7 feet where exposed, and above blackboard brick walls painted with cold water paint. If above basement, finished as a class-room.

(5.) *Ceilings.*— Like basement.

(6.) *Heating and Ventilation.*— The same as in class-rooms. If in basement provide some direct radiation.

(7.) *Fittings.*— (*a.*) *Stock-room.*— Stock-room should contain at least 80 square feet, preferably rectangular. Eighteen-inch shelves should run around the room, 5 feet 6 inches and 6 feet 6 inches from the floor.

(*b.*) *Wardrobes.*— Wall space for 26 double coat and hat hooks, in a separate room.

(*c.*) *Teachers' Closets.*— Teachers' closet should be small for personal belongings, with shelf and hooks under.

(*d.*) *Storeroom.*— For finished work and hardware should be fitted with all shelving possible; an area 40 square feet is adequate.

(*e.*) *Bookcases.*— Like those in class-rooms, 150 capacity.

(*f.*) *Sink.*— A 3-foot soapstone sink, with hot and cold water, with drinking fountain if desired.

(*g.*) *Display Frames.*— Four display frames, size and position as indicated, of cork carpet over soft wood back, with 2-inch moulding around.

(*h.*) *Demonstration Steps.*— Demonstration steps are desired.

(*i.*) *Furniture.*— (Not included in the building contract.) The furniture comprises 25 benches and stools, teachers' desk, table, 4 feet by 2½ feet, with unfinished top, 1 desk chair and 2 common chairs, a clock. (See drawing.) Lay these out on preliminary drawings. Lower benches to be set toward the front and nearer the windows.

(*j.*) *Blackboards.*— Provide about 15 running feet of slate blackboards, 4 feet high.

(*k.*) *Glue Pot.*— Provide electric or gas connections for same.

COOKING-ROOM. (1.) *Size.*— Should have an area of 900–1,000 square feet, preferably a corner room on top floor, but generally in basement, and the larger of the two allowed sizes of room, and arranged for 24 stations. If in basement this room is not to be counted as one of the class-rooms.

(2.) *Light.*— Windows as in a class-room, if located in a corner, from two sides. Artificial light as in a class-room.

(3.) *Walls.*— Above basement, similar to school-rooms, blackboards, 4 by 10 feet, back of teacher's desk. Walls painted in oils. A basement room shall have salt-glazed brick walls up to 7 feet and painted brick above. (See drawings.)

(4.) *Floors.*— The floor to be wood, except space occupied by ranges, which is tiled.

(5.) *Ceilings.*— Ceilings like basement, or, if above basement, like class-rooms.

(6.) *Heat and Ventilation.*— Less heat is required than in a class-room, but the ventilation should be the same, with additional vent from the demonstration ranges. Hoods over ranges if Board so desires.

(7.) *Fittings.*— (*a.*) *Wardrobes.*— Provision for 24 pupils, double coat and hat hooks in separate lighted closet, and teacher's small closet.

(*b.*) *Work Benches*, accommodating 24 pupils, fitted with compartment for utensils, bread-board, etc., a special gas burner with a hinged iron grille over it, set on aluminum plate at each station; benches arranged in the form of ellipse, or oblong, with access to centre from two sides; top of pine 24 inches wide;

open underneath and supported on pipe standards. One section detached and fitted as a demonstration bench; a clear space of 4 feet all around. Dining table (furnished under another contract) is to be set in centre. (See drawings.) Lay these out on preliminary drawings and include in final drawings and contract.

(*c.*) *Dresser.*— Ten feet long in 3 sections, 4 adjustable shelves and glazed sliding or hinged doors at top; one set of 3 drawers and 2 cupboards on lower part. A shelf should be put in each cupboard about 12 inches from top.

(*d.*) *Fuel-box.*— In 2 compartments, each about 24 inches square and 30 inches deep, with hinged lids; small shelf in one section. Accommodations in the main coal-room for a supply of range coal and kindling wood.

(*e.*) *Bookcase.*— Similar to those provided in class-rooms.

(*f.*) *Sink.*— Soapstone, 4 feet long; 2 cold and 2 hot water cocks; soapstone drip shelves, 24 inches long, at each end of sink, provided with grease trap. Sink should be near ranges.

(*g.*) *Hot Water Supply.*— (See instructions in plumbing.)

(*h.*) *Coal and Gas Ranges.*— A six-hole coal range and a similar gas range, with hood provided, and set on a hearth previously mentioned.

(*i.*) Outlet for electric cooking apparatus.

(*j.*) *Refrigerator.*— Location to be shown. Furnished under another contract.

SEWING–ROOM. The following is a list of standard equipment adopted by the School Committee.

(Not to be included in the general contract for building.)

30 Portable tables (inserted yard measure).*
50 Chairs in girls' school,*
and
30 In mixed schools, varying in height from 14 inches to 21 inches from floor.*
1 Glass show case about 8 feet long, 2½ feet or 3 feet wide.
1 Cutting table, 8 feet long, 3 feet wide and 2 feet 6 inches high, inserted yard measure, 3 drawers in table, black boards, minimum of 30 square feet.
Closet for teachers' wraps.
Stationary washbowl with running hot and cold water.

* Not required when no regular "sewing room" is available.

1 7½-lb. electric iron.
1 4-lb. electric iron.
Standard box rack with box for each girl. (See drawing.)
1 Sewing machine for 500 or fewer girls.

KINDERGARTEN. (1.) *Size.*— The rooms can be contained in the space of class-room and wardrobe, but a slightly larger area 800 to 900 square feet, as desirable, and preferably the larger of the two allowed sizes of room. They comprise a large room, a small room, a supply closet, a wardrobe and a water-closet. The large room should take a 16-foot circle, regulation lines painted on the floor with at least 4 feet all round it. (See drawing.) The small room, about 200 square feet.

(2.) *Light.*— Windows should be as in a class-room, if on a corner, on both sides. Exposure should be sunny. Artificial light of the class-room type arranged for the different rooms.

(3.) *Doors.*— Door to corridor as in class-rooms. Wide doors should open from small room into large room.

(4.) *Floors.*— Wood, with painted lines as above.

(5.) *Walls.*— As in class-rooms, with blackboard as in lower grades.

(6.) *Ceilings.*— As in class-rooms.

(7.) *Heat and Ventilation.*— As in class-rooms.

(8.) *Fittings.* (*a.*) *Wardrobe.*— Hooks for 60, arranged as in ordinary wardrobes.

(*b.*) *Teachers' Closet.*— For clothing of two or three teachers.

(*c.*) *Toilet-room.*— Immediately adjoining with low-down seat and bowl or sink.

(*d.*) *Bookcase.*— As in lower grades.

NURSE'S ROOM. (1.) *Size.*— From 200 to 400 square feet, according to size of school.

(2.) *Windows.*— Outside light as in class-rooms.

(3.) *Shades.*— Set to roll from window-sill upward. Not in building contract.

(4.) *Doors.*— One door to corridor, as in class-room, marked "Nurse's Room."

(5.) *Walls.*— Upper two-thirds plaster, smooth finish, round corners, painted with light green oil paint. Lower one-third to floor, glazed white tile with sanitary base.

(6.) *Floor.*— Terrazzo, like corridors for first-class construction.

(7.) *Heat and Ventilation.*— As in class-rooms.

(8.) *Artificial Light.*— Stiff pendent, 100-watt electric fixture with special shade. Wall receptacle for hand portable.

(9.) *Nurse's Closet for Supplies.*— Size, 3 by 4; one-shelf; 6 hooks for clothing.

(10.) *Bath Tub.*— Five-foot porcelain enameled iron, hot and cold water, where so directed by the Board.

(11.) *Bowl.*— Vitreous ware, hot and cold water faucets with shampoo cock. Hot water must be available all the year.

(12.) *Stove.*— Gas or electric heater.

(13.) *Fittings.*— (Not in building contract.) (*a.*) *Cabinet.*— Oak finish medical cabinet, adopted as standard by Schoolhouse Commission. (*b.*) *Stool.*— White enamel revolving stool. (*c.*) *Table.*— Dressing table, white enamel frame, glass top and shelf; size, 16 to 20, rubber crutch tips. (*d.*) *Filing Case for Nurse's Records.*— Oak finish, to hold 1,000 cards, 4 by 6; lock and key; guide cards. (*e.*) *Writing Table.*— Oak finish with drawer and lock; size, 20 by 30. (*f.*) *Chair.*— Oak to match table. (*g.*) *Couch.*— Flat frame oak, canvas adjustable top. (*h.*) *Mirror.*— Size, $2\frac{1}{2}$ by 3, set over bowl.

HIGH SCHOOLS.

CLASS-ROOMS AND RECITATION-ROOMS.

High school class-rooms are laid out for classes of thirty-six or forty-two, generally the latter. A room 26 feet by 32 feet will accommodate forty-two high school desks. The larger class-rooms are to accommodate from sixty to eighty pupils; the larger number can be accommodated in a room 33 feet 8 inches by 43 feet. Recitation-rooms, which to a certain extent will be used also as class-rooms, should be about 16 by 26. These rooms, if equipped with continuous desks and seats as in a lecture-room, or with double desks, such as are used in the Charlestown High, would accommodate about thirty pupils each. Lay out desks in one room of each type on preliminary plans.

ASSEMBLY HALL. For a high school would not differ materially from that already described for elementary schools, except that provision shall be made for a moving picture booth.

MASTER'S AND TEACHERS' ROOMS. For accommodation of the principal there should be an outer office, that is, a waiting-room or reception-room, and an inner office, and rooms for both men and women teachers which might well be concentrated in the neighborhood of the reception-room and the principal's room.

CHEMISTRY. *The Rooms in General Required.* Laboratory, separate from lecture-room, may be used as recitation-room, but better to use lecture-room and keep laboratory free from desks and demonstration table. Lecture-room, separate from laboratory, but easy of access, may be used for recitation; in that case should have facilities for demonstration. Combined lecture-room for physics and chemistry admissible. Three rooms for administration purposes, store-room for dry chemicals and apparatus, room for storage of liquid chemical and preparation of reagents, which may also be used as a teacher's laboratory and an office. The total area of the laboratory and administration rooms should be about 1,200 square feet and of the lecture-room about 600 square feet.

CHEMICAL LABORATORY. (1.) *Size.*— Should accommodate a class of forty to fifty pupils, with apparatus. Accommodation for three such classes.

(2.) *Light.*— On two sides.

(3.) *Heating and Ventilation.*— On same basis as for class-rooms, but removal of gases should also be provided for by a hood, each compartment of which should be ventilated by 9-inch hole at top, venting into elbow or T of drain pipe, thence connected by drain pipe into main flue, in which should be a fan operated by a motor.

(4.) *Walls and Ceilings.*— Walls of brick ideal, but not generally feasible, except on outside walls; plaster walls painted in oils and ceiling of plaster, covered with water-resisting surface containing no lead. All woodwork to have natural finish, except tops of desks.

(5.) *Floor.*— May be of hardwood in narrow strips, filled in by asphalt; should slope

very slightly between desks, interspaces again trending to common corner, which may be drained.

(6.) *Equipment.*— Working desks at right angles to greater length of room, in sections back to back between windows; sections movable when top is removed. Each section 21 feet to 24 feet 6 inches long, 2 feet wide, 3 feet to 3 feet 2 inches in height. Distance between double sections about 5 feet, same distance at least between ends of sections and hood, which should be opposite longer line of windows and at right angles to direction of desk sections. Other ends of sections near enough to wall to allow for drain at right angles to sections and under windows. Desks to be of ash or any durable wood, natural finish. Top of narrow pine strips, treated with aniline black and waterproof lead finish. Individual desks provided with 3 lockers and 3 sets of drawers each, each set of drawers operated by bar from locker, combination lock to fasten locker. Each double section of desks provided with soapstone sink, placed between sections and flush with section top, which should slope slightly to sink.* Sink 8 inches wide at least, and should begin within 1 foot of the pen, toward hood, depth here to be 6 inches, running nearly to other end, where depth should be 8 inches. Each pupil to have working space of 3 feet 6 inches by 1 foot 8 inches. Each double section of desks provided with shelf for reagents, running length of desk, 10 inches to 12 inches above desk, supported by metal standards at suitable intervals, of whitewood, $1\frac{1}{4}$ inches thick, 9 inches wide, natural finish, covered with glass plates, $\frac{1}{4}$ inch thick, 9 inches wide, suitable lengths, clamped to wooden shelf with as few clamps as possible. Wooden shelf at free end of each section, 1 inch to $1\frac{1}{2}$ inches thick, 3 feet to 4 feet long, not over 1 foot 3 inches wide, height of 2 feet 8 inches to 2 feet 10 inches, for holding blast lamps, reagent jars, etc. Finish off top of shelf in aniline black. Floor space under second row of windows taken up with line of extra desks, built like sections, furnished in

* Individual sinks are preferred by the teachers, although the long trough is apparently adequate for teaching elementary chemistry. and is less expensive.

similar way, but without necessarily a drain to be used for emergency or general utility. Wall space not otherwise occupied may be used for shelves or cabinets. Fixed slate blackboards at end opposite second set of windows and parallel to desk sections, sliding slate blackboards above hood. Liquid waste may be thrown into desk sink, dry waste into earthen jars. Hood should run at right angles to desk sections and along wall opposite free ends of sections. In the construction of hood, protection against fire should be considered. Should be built against brick wall. Floor of hoods to be slate; wood, inside and outside, to be finished natural. Space divided into three or four compartments, closed by sliding windows. Space against wall not occupied by hood for general sink.

(7.) *Gas.*— Lead from gas main at free end of centre of double desk sections, branch into two leads along back of each section. Take-offs between each working desk space in form of pillar with two $\frac{1}{4}$-inch cocks, at each end desk a single cock. Two $\frac{1}{4}$-inch gas nipples at each side of each compartment of hood. Cocks of these outside of hood. Wall desk fitted with single gas taps at intervals of two feet.

(8.) *Water.*— Lead from water main at free end of centre of double desk sections. Size, large enough to fill section sink rapidly. Lead of ordinary size along length of section underside of shelf, take-off at free end of section, to which blast and suction pump may be attached. At junction of each four working desk spaces take off, carrying two valves with hose bibb delivery $\frac{1}{4}$-inch, the two valves or cocks facing opposite sides. Suction pump attached to these bibbs if desired.

(9.) *Drains.*— Section desk sink to have open drain and mercury arrester, into which should be set movable concave netting of wide mesh to arrest larger solid matter. Main desk drain at right angles to sections along and under windows, between windows and sections should be of heavy cast iron; may be supported on brackets against wall and left open, or covered and provided with movable top. Into this drain will drip the lead pipes coming from section sink. Slate floor of each hood compartment should deepen slightly in centre,

where there should be a hole 1 inch in diameter, into which is fitted short lead drain pipe, closed by perforated plug; drain pipes to be connected with sloping drain pipe, open or closed, running toward and delivering into general sinks.

(10.) *Electricity.*— Current of electricity on section desks need not exceed ten volts, may be supplied from source common to physical and chemical side. Plugs between each working space placed under desk top on frame.

LECTURE AND RECITATION ROOM.

(1.) *Size.*— Area to depend on number of seatings required or number of pupils in classes; should be large enough for two classes and should occupy a position between the laboratories for physics and chemistry.

(2.) *Light.*— As much glass area as class room, preferably from left. Fit windows and other openings admitting light with dark curtains as specified for Assembly Hall. Electric lighting from top, controlled at point convenient to demonstration table.

(3.) *Floor* stepped up in fireproof construction and finished in wood, like floor.

(4.) *Heating and Ventilation.*— As for classrooms, with extra ventilation to remove fumes. Space at left end of desk provided with register and flue of at least 10 inches diameter. Flue carried under floor to nearest wall, flue and draught actuated by motor if not sufficient.

(5.) *Equipment.*— Demonstration table, not less than 12 feet long, not more than 3 feet nor less than 30 inches wide, height 32 inches. Placed 4 feet distant from wall, material same as that of room, top made of pine plank and finished like chemical laboratory desks. Pneumatic sink at right hand of desk, of soapstone in two depths. Not to exceed 30 inches long, 20 inches wide. Depth, 4 inches to 6 inches minimum; 16 inches to 18 inches maximum. Length of minimum depth not to exceed 60 per cent of total length. Sink to be depressed in table and provided with flush cover. Sink to have screened drain with mercury trap and overflow. Supply hot and cold water under reduced pressure and cold water under street pressure for quick filling, 2 goosenecks with $\frac{3}{4}$-inch hose bibbs, to one of which combined blast and suction pump may be attached; steam supply direct from boiler main with a

by-pass to summer boiler; supply gas air suction, and gas taps not exceeding 6 in number. Over demonstration table, secured to ceiling, provide a plank with heavy screw hooks. Behind lecture table provide sliding blackboards of not less than 50 square feet, and canvas curtain on heavy spring roller for attaching charts. Drawers and fireproofed closets for lesser lecture apparatus and chemicals in body of table, wall on either side provided with shelves for reagent bottles under glass, and side wall provided with cabinets for larger pieces of permanent apparatus, if there is no special room for this. Lifting seats with desk for taking notes arranged on platforms, so that the successive tiers will rise one above the other to insure an unobstructed view of demonstration table. (See drawing.)

(6.) *Electricity.*— Provide three (3) forms of current, viz., primary or storage battery current variable by unit cells up to ten cells, direct current at 110 volts, 30 amperes and alternating current at 110 volts, 30 amperes. Provide regulating rheostat for the 110-volt direct current. Provide two 50-ampere ammeters, one a. c. and one d. c., and two 125-volt volt-meters, one a. c. and one d. c., all with extra large illuminated dials. Current to be brought to a special slate distributing panel upon which the rheostat and measuring instruments shall be mounted. Panel shall be located conveniently to table and so that instruments shall be in full view of class and instructor. Panel to be provided with suitable means for switching instruments to any circuit, and any or all circuits to table. Terminate table circuit in four 50-ampere d. p. s. t. knife switches on a slate panel under table. A projection lantern and receptacles for same at end of table and at rear of room. Lantern screen on spring roller at side of room, width of screen usually 12 feet, but dependent on distance and lenses used.

ADMINISTRATIVE FACILITIES.

(1.) *Apparatus Store-room.*— Should give ample space for storage of extra and reserve apparatus and original packages of stock chemicals. These should be kept in dust-proof cabinets with glass doors and in drawers.

(2.) *Preparation-room.*—This should adjoin the above. Primarily for storage of liquid

chemicals in bulk and preparation of liquid reagents and storage of supply bottles, also fitted for teachers' laboratory. Should have wide centre table with gas in centre, working desks, with drawers and closets along two sides, also gas, water, sink, blast, suction, steam and electricity. Shelves along desks for storage of liquid chemicals, supply bottles and smaller reagent bottles. An adequate hood should be provided.

(3.) *Office and Balance Room.*— Adjoining store-room and preparation-room should be small room to contain desk, book shelves, table and a good grade balance.

PHYSICAL LABORATORY.

(1.) *Size.*— In a space about 30 by 40 feet. A laboratory, apparatus-room and shop.

(2.) *Light.*— The same basis as for class-rooms, one wall having as direct a southern exposure as possible for *porte lumiere* studies. Artificial light as in a class-room. Dark curtains in addition to regular shades for darkening room. Windows and all openings admitting light fitted as specified for Assembly Halls (page 46).

(3.) *Heating and Ventilation.*— On same general basis as for class-rooms.

(4.) *Equipment.*— Small laboratory tables to accommodate two or four pupils at each, built of hard wood, white pine tops, fitted with 4 drawers, supports and adjustable cross-bar. Wall tables around room on sides where there are windows, with one or two shallow drawers under, but not deep enough to interfere with comfort of pupil. Soapstone drip sinks with cold water to be provided at these tables, one to every six or eight pupils. Instructor's table, fitted with hot and cold water, Richards' pump, numerous cupboards and drawers of various depths and widths. Two-inch plank bolted to ceiling over this table, with space of 2 or 3 inches between plank and ceiling for attachment of pendulums and other apparatus. Provide electric outlet for stereopticon and screen for same.

(5.) *Furniture.*— Provide adjustable stools for all the tables and a sufficient number of tablet arm chairs to accommodate the entire division during demonstration exercises. Chairs to be placed in rectangle formed by pupils' tables and demonstration table. These

are not in building contract, but to be laid out on preliminary plans.

(6.) *Electricity.*— Provide three (3) forms of current, viz., primary or storage battery current variable by unit cells up to ten cells, direct current at 110 volts, 30 amperes and alternating current at 110 volts, 30 amperes. Provide regulating rheostat for the 110-volt direct current. Provide two 50-ampere ammeters, one a. c. and one d. c., and two 125-volt voltmeters, one a. c. and one d. c., all with extra large illuminated dials. Current to be brought to a special slate distributing panel upon which the rheostat and measuring instruments shall be mounted. Panel shall be located conveniently to table and so that instruments shall be in full view of class and instructor. Panel to be provided with suitable means for switching instruments to any circuit and any or all circuits to demonstration table, pupils' tables or wall benches. Terminate demonstration table circuits in four 50-ampere, d. p. s. t. knife switches on a slate panel under table, and the other circuits in special polarized receptacles, or multiple series connection boards at each pupil's station.

(7.) *Gas.*— Pupils' tables to be equipped with gas, 4 cocks to each table. Wall tables to be equipped with gas. Demonstration table to be provided with gas.

(8.) *Bulletin Board.*— 25 to 50 square feet of bulletin board, covered with cork carpet, secured at edges, glued on like wall paper.

(9.) *Blackboards.*— As much blackboard space as possible. Sliding blackboards back of demonstration tables.

APPARATUS ROOMS.

(1.) *Size.*— One large or several small rooms, to open directly out of laboratory, and connected with lecture-room.

(2.) *Equipment.*— To be fitted with dust-tight cases with adjustable shelves and sliding glass doors, 7 feet high; cabinets of drawers of various widths and depths, mostly narrow and shallow. Some of these cases may be in the laboratory if there is sufficient wall space. A small sink and hood should be provided.

SHOP.

A small shop is desirable, though not absolutely necessary. This should be equipped with work bench, motor-driven lathe and shelving for tools and stock, and may be set up in apparatus-room.

BOTANICAL AND ZOOLOGICAL LABORATORY.

(1.) *Size.*— In a space about 30 by 40 feet. Laboratory and apparatus-room.

(2.) *Light.*— Windows the same as for class-rooms, one wall with southern exposure. Artificial light as in class rooms.

(3.) *Equipment.*— (*a.*) Twenty-one pupils' tables, 54 inches by 24 inches by 30 inches high, each to accommodate two pupils, to have plate glass tops.

(*b.*) Soapstone sink, 72 inches by 30 inches, 10 inches deep, accessible on all sides. Supply with cold water, about 8 bibbs and 2 hose bibb cocks.

(*c.*) One aquarium, 30 inches long, 20 inches wide and 20 inches high, with supply, gooseneck cock with aspirator and standing waste.

(*d.*) Ice chest, 36 inches by 24 inches.

(*e.*) Botanical laboratory provided with Wardian case, inches long, inches wide and inches high, fitted with electrical heating apparatus automatically controlled by thermostat.

(*f.*) Cases built wherever practicable. Three sections to contain 42 pigeonholes, 3 inches by 3 inches by 8 inches, for storage of instruments. A liberal supply of cases to contain drawers and cupboards in lower compartments, and shelves above, for exhibition of specimens, storage of material, instruments, books, charts, etc.

(4.) *Furniture.*— Forty-two adjustable screw revolving chairs, not in building contract.

GYMNASIUM AND DRILL HALL.

(1.) To be used in common for gymnasium exercises, athletic games and the drilling of the school cadets. On account of its size and for structural conditions to be generally located in the basement, with clear span of ceiling and combined height of basement and first story. Visitors' gallery generally provided at one end, entered from first floor.

(2.) *Size.*— The classes exercising in the gymnasium are from fifty to one hundred, and a suitable floor space for this number, as well as floor space for a full company of cadets at drill, is from 3,750 to 4,000 square feet. The height should not be less than 24 feet.

(3.) *Light.*— Ample outside light in all cases. Artificial light from special electric ceiling fixtures protected with wire guards.

(4.) *Heat and Ventilation.*— The former sufficient to guarantee a temperature of about 60 degrees, and about twice as much ventilation as is customary for the ordinary classroom. This is, of course, insufficient for the number of people who might occasionally occupy the gymnasium for exhibitions, but it is more than enough for the ordinary number using it for class exercises.

(5.) *Equipment.*— The standard gymnastic apparatus consists of the following fixtures, which may be slightly modified in particular cases:

25 Bar stalls.
25 Bar stall benches.
2 Double boons.
4 Double boom saddles.
20 Vertical climbing ropes.
2 Swedish boxes.
12 Balance beams.
2 Pairs jump standards, 6 feet.
12 Pairs jump standard iron pins.
6 Pairs jump standard ropes with weight on ends.
2 Pairs basket ball goals.
1 Fairbanks scale with measuring stand attached.
1 Dry spirometer and 24 glass mouth-pieces.
1 Tape, measuring 50 feet.
1 Truck for mat (small).
2 Jump boards (incline).
1 Graphophone.
18 Records.
2 Brown mats, 5 feet by 5 feet by 2 inches.
2 Brown mats, 5 feet by 10 feet by 2 inches.
3 Basket balls.
2 Strike balls, 12 inches.
12 Medicine balls, 2½ pounds.
4 Indoor baseballs.
2 Indoor baseball bats.
4 Volley balls.
24 Bean bags (green and red).
4 Bean bag boards.
75 Pairs ¾-lb. maple dumb-bells.
6 Ring foil standards.
75 Pairs ¾-lb. maple Indian clubs.
1 Tennis net.
1 Volley net.
36 Rope quoits, 9 inches.
75 Maple wands, ¾ inch diameter.
4 Basket ball whistles (tin).
6 Paper baskets.
6 Ring toss stands.
75 Solid rubber bounding balls, 2¼ inches diameter

(6.) *Gun Racks.*— Racks for holding the gun carried by the cadets should be provided on walls. These racks should be protected by locked doors.

(7.) *Special Rooms.*— Adjoining gymnasium and drill hall two small rooms about 10 feet square should be provided for school matron and director of gymnasium.

(8.) *Dressing-rooms, Baths and Lockers.*— (*a.*) *System.*— The clothing of all the pupils shall be placed in a central locker-room, each unit being numbered, and all being under the control of the attendant in charge. Dressing-rooms shall be provided in number equivalent to the number of a class.

(*b.*) *Lockers.*— The locker-room shall contain a pigeon-hole case, 10-inch cube, one for each pupil in the school, and a counter over which to deliver the clothing. Adjoining this provide a dry-room, capable of being heated to a high temperature and thoroughly ventilated. This shall be fitted with hooks and wire clothesline.

(*c.*) *Dressing-rooms.*— The dressing-rooms are small cabins, about 3 feet square, with a locked door, a seat and hooks. Partitions shall stop 2 inches from the floor for ventilation.

(*d.*) *Showers.*— The shower baths are to be 3 feet square, divided by slate or marble partitions, similar to those for water-closets, each having a bar at the front, over which a cotton sheet can be dropped. Each compartment to have two sprays in opposite corners.

MANUAL ARTS ROOM.

Rooms shall be provided for drawing, and in boys' schools for shop work in addition.

(1.) *Size.*— The space for each subject should be about 1,500 to 1,800 square feet.

(2.) *Light.*— Windows and artificial light by special fixtures. North light preferable in the drawing-rooms.

(3.) *Floors.*— Of wood.

(4.) *Walls.*— As in a manual training-room.

(5.) *Ceilings.*— As in a manual training-room.

(6.) *Heating and Ventilation.*— Same as in manual training-rooms.

(7.) *Stock-room.*— The lumber stock-room should contain at least 80 square feet, and preferably be rectangular. Shelves as directed.

(8.) *Teachers' Closets.*— As in manual training-room.

(9.) *Fittings.*— (*a.*) Bookcases, like those in class-rooms, 150 capacity.

(*b.*) *Cases.*— For work in process, extra tools, supplies, drawing boards, models, paper, finished drawings, etc. (For all of these get directions and see former High School drawings.)

(*c.*) *Display Frames.*— Size and position as directed, to be of cork carpet, over soft wood back with 2-inch moulding around.

(*d.*) *Sink.*— A 5-foot sink, with hot and cold water, fountains as directed.

(10.) *Equipment of Free-hand Drawing-room.*— Provide for at least 25 oak drawing tables of approved type to be used by boys and girls in common.

(11.) *Equipment for Mechanical Drawing-room.*— (For boys only.) See Appendix XI. and former High School drawings.

(12.) *Equipment of Woodworking Rooms.*— (For boys only.) Provide for at least 20 cabinet benches of approved type with quick action, iron vises. Provide glue pot with electric or gas connections as directed. Machinery if directed.

(13.) *Equipment of Metal-working Room.*— (For boys only.) Six double benches 8 feet by 2 feet, fitted with 12 Prentiss iron vises, $3\frac{1}{2}$ inch jaw; wall bench fitted with 10 stations, tool drawers and 5 Bower's tool holders; one $\frac{3}{4}$-inch gas hose cock terminal above each bench station; 2 gas blast burners, 1 large, 1 small; metal-covered bench with ventilated hood; 1 muffle furnace, ventilated; 1 drill; 1 grindstone; 1 pair bench shears. Machinery if directed.

(14.) *Motor.*— If directed.

(15.) *Blackboards.*— For each class-room for above subjects provide about 15 running feet of slate blackboard 4 feet high.

HOUSEHOLD SCIENCE.

(1.) *Size.*— The space should be about 1,200 square feet, and should accommodate the kitchen, two small rooms for showing the care of a dining-room and of a bedroom, and a china closet and pantry.

(2.) *Light, Heat, etc.*— The same as that for other rooms, with additional ventilation in the kitchen.

(3.) *Equipment.*— The kitchen to contain an equipment as may be decided upon by the Board after consultation; a kitchen pantry fitted with shelving and a china closet fitted with a sink; drawers, cupboards and shelves

enclosed with glass doors. The dining-room and bedroom simply finished rooms, having no equipment except the furniture.

LUNCH-ROOMS. (1.) *In General.*— The lunch-rooms in Boston schools have usually been located in the basement and where these are high and well lighted this location seems to serve satisfactorily. They should, however, have the special ventilation that is provided in a basement cooking-room. In size they should accommodate comfortably, seated at benches or small tables, that proportion of the pupils in the school which takes advantage of the luncheon facilities.

(2.) *Equipment.*— (*a.*) The counter should be set at height as required, and should have a rail 2 feet from it, with openings at intervals to keep children in single file, and there should be accommodation under the counter for dishes.

(*b.*) *Range.*— A six-hole gas range, with ample oven space.

(*c.*) *Sinks.*— Two good-sized soapstone sinks.

(*d.*) *Ice-box.*— Of sufficient size to take care of milk supply.

(*e.*) *Lockers.*— Sufficient to care for the clothing of the attendants, and for mops and brooms, etc. These should not be under the counter or near any place where food is kept.

(*f.*) *Furniture.*— In some cases the children are provided with camp chairs and small round tables to seat four. In others ordinary school benches have been provided. Both seem fairly satisfactory in operation.

LIBRARY. A space equivalent to a small class-room is ample for library purposes. The book accommodation will depend somewhat on the size of the school. The library is planned as a reading-room, that is, with the books in the room and not in a separate stack-room.

WARDROBES. (1.) In high schools large locker rooms — one for boys and one for girls — are to be provided, preferably in basement, fitted with metal lockers as the Board may direct; metal lockers are to be under separate contract.

(2.) *Light.*— The rooms should have outside light. Artificial light by ceiling or short pendent electric fixtures.

(3.) *Heat and Ventilation.*— This should be thoroughly well heated and ventilated similar to class-rooms.

(4.) *Equipment.*— The poles, hooks, etc., will be similar to those used in other schools, but more space should be given the girls, *i. e.*, about 1 foot 6 inches on centre. It has been found desirable to have some locked pigeon-holes, 20 by 20 by 12 inches. These are not required when metal lockers are used.

ELECTRIC WORK.

(1.) *Service.*— This should enter basement underground at location to be determined by reference to street mains, and should terminate on a switchboard located in a fireproof closet opening if possible into the basement corridor.

(2.) *Conduits.*— All wires to be run in iron conduit concealed, except conduits for mains in basement, and side outlets in boiler, engine and stack rooms. Tap circuit conduits to be run above rough floor wherever possible. If floor construction will not allow this, they are to be run below floor beams, and above ceiling, a space of 2 inches being left in which they can be run.

(3.) *Wire Slot.*— Obtain from electrical division the location of slots and openings for conduits and panel boards.

(4.) *Cabinets.*— All cabinets to be furnished by wiring contractor but finished by the general contractor.

(5.) *Cutting.*— All cutting and patching to be done by the general contractor.

(6.) *Outlets.*— Class-rooms to be provided with nine single-light ceiling outlets, controlled by three switches. Wardrobes to have one ceiling outlet, controlled by switch in class-room. Corridors to be lighted from ceiling wherever possible. Height of side outlets in rooms and corridors to be 6 feet 6 inches. Switch outlets in class-rooms to be 6 feet, elsewhere 4 feet. Switches in corridors, play-rooms and pupils' toilet-rooms to be operated by private key. In lower elementary schools omit all electric lighting in class-rooms. Basement and corridor lighting to be installed as directed by the Board.

(7.) *Fixtures.*— Fixtures in class-rooms to be of special design to combine a direct and diffused light.

(8.) *Gas.*— Gas outlets to be provided in all corridors, vestibules, stairways, boiler room and assembly hall exits; all to be wall outlets. Gas-piping to be included in the electrical engineer's work.

(9.) *Stereopticon.*— All grammar schools and high schools to be provided with an electric projection lantern with reflectoscope attachment.

(10.) *Clocks and Bells.*— All schools to be provided with an electric system of clocks, operated by a master clock. All primary schools to be provided with a system of signal bells, operated by push buttons. In all grammar and high schools the bell system to be operated automatically by master clocks according to prearranged program.

(11.) *Telephones.*— In all schools, each class-room, hall, teachers' room and boiler-room to be connected to master's office or to room occupied by the first assistant by a telephone system.

In lower elementary schools omit class-room telephones except in first assistant's room, boiler-room and corridor.

APPENDIX X.

NEW BUILDINGS—TAX LEVY APPROPRIATION.

LIST OF 1916–17.

Item 4.—High School Practical Arts Addition, Dearborn District. This four-story addition is being erected on a lot previously purchased by this department. The area of this lot is 41,371 square feet. The area of the addition is 1,658 square feet.

The basement contains one locker-room and one store-room.

The first floor contains one class-room, 27 feet by 32 feet; one class-room, 26 feet by 32 feet.

The second floor contains one dressmaking-room, 27 feet by 32 feet, and one dressmaking-room, 26 feet by 32 feet.

The third floor contains one kitchen, one preparation-room and one demonstration-room.

The fourth floor contains one lunch-room.

The materials in the building are brick with limestone trimmings, and the construction is first class throughout.

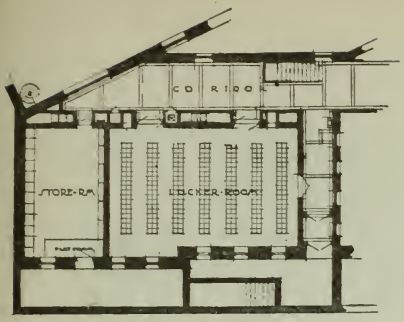
Electrical System.—The addition is wired and equipped for electric lighting, electric pressing irons, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

Heating and Ventilating System.—This building contains a plenum system of ventilation. Another horizontal return tubular boiler is installed. Three boilers supply steam to the heating system at a reduced pressure, the water of condensation being pumped back to the boiler. The present fans, belt-driven by a steam engine, furnish air for ventilation.

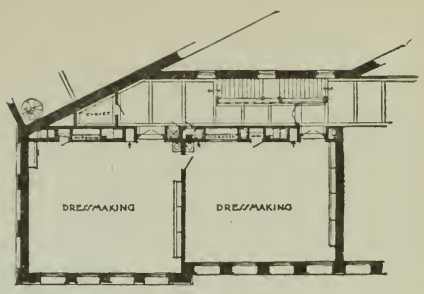
The air is heated by a primary stack of indirect radiators, the temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The class-rooms, corridors and other rooms are warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under windows and automatically controlled by positive thermostats.

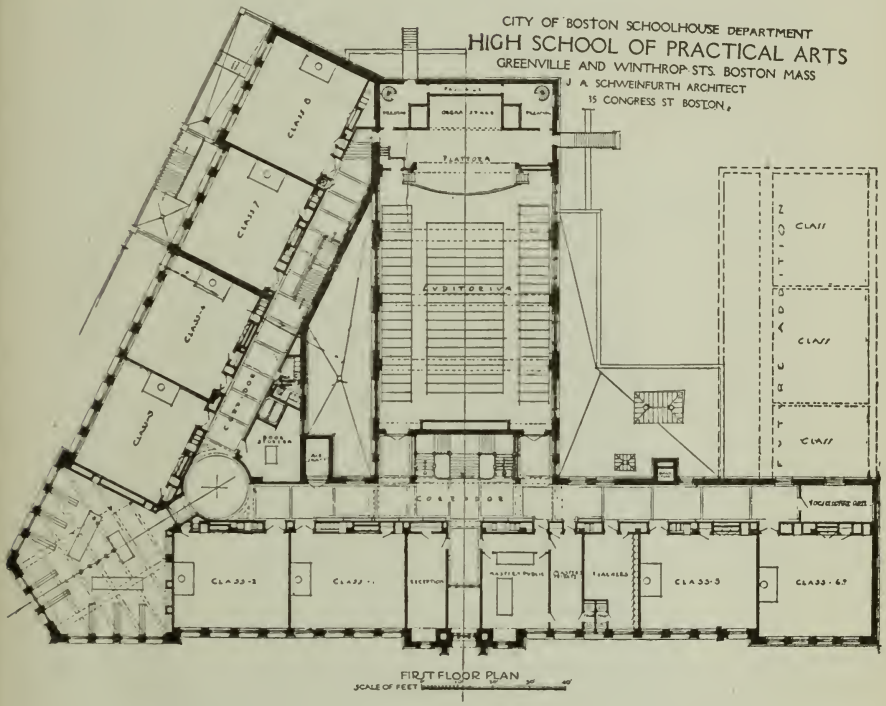
The galvanized-iron vent ducts from toilet-room in main building have been connected to electric propeller fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator.



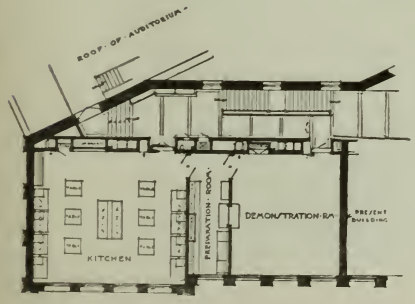
BASEMENT PLAN



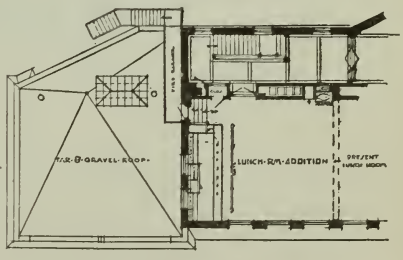
SECOND FLOOR PLAN.



FIRST FLOOR PLAN



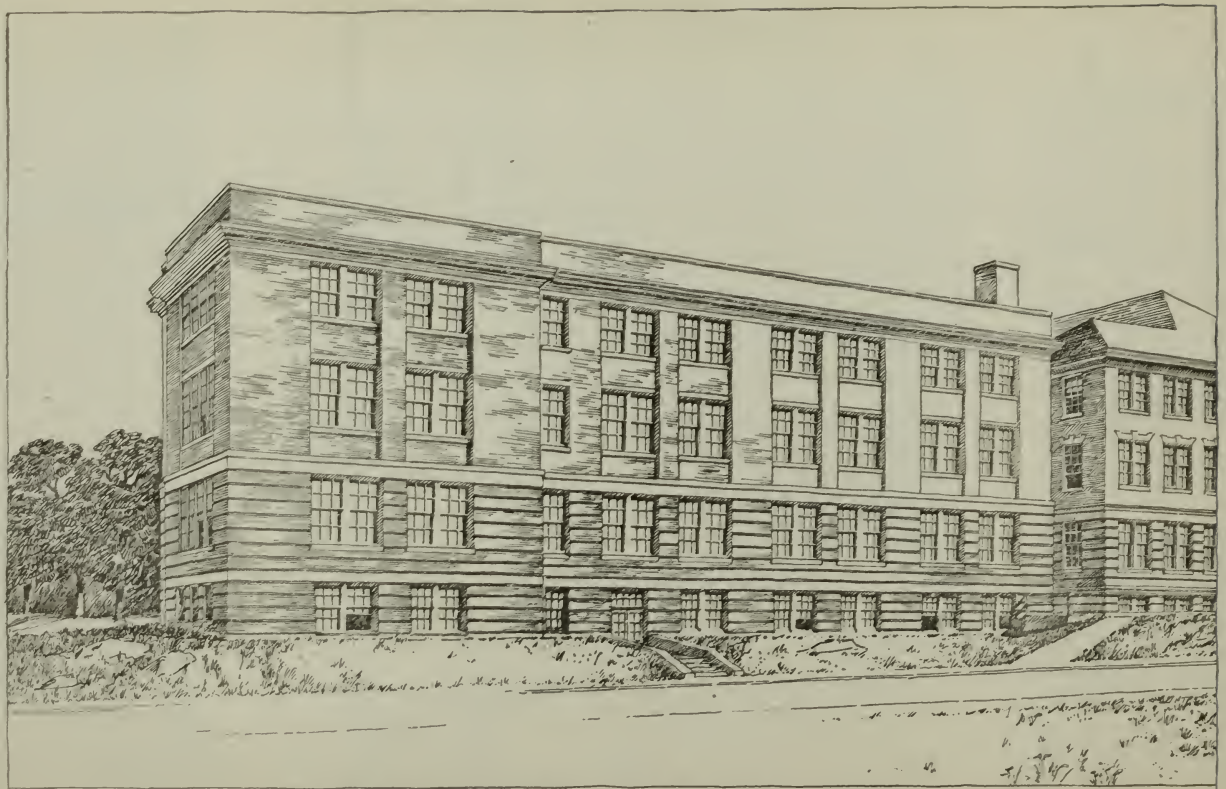
THIRD FLOOR PLAN.



FOURTH FLOOR PLAN.

HIGH SCHOOL OF PRACTICAL ARTS ADDITION.

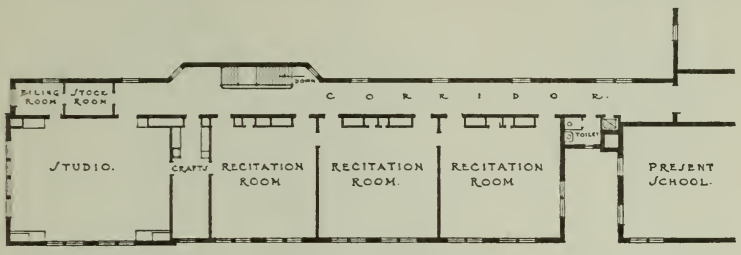
J. A. Schwenfurth, Architect.



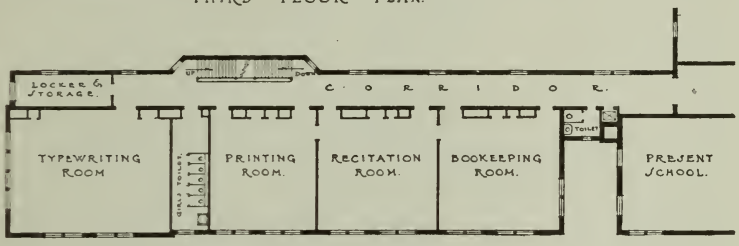
ADDITION TO HYDE PARK HIGH SCHOOL

HARVARD AVE. WEBSTER & EVERETT STS. HYDE PARK MASS.

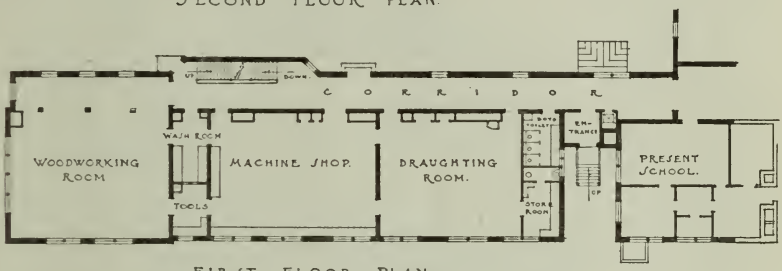
CHAS R. GRECO ARCHITECT. 6 BEACON ST. BOSTON MASS.



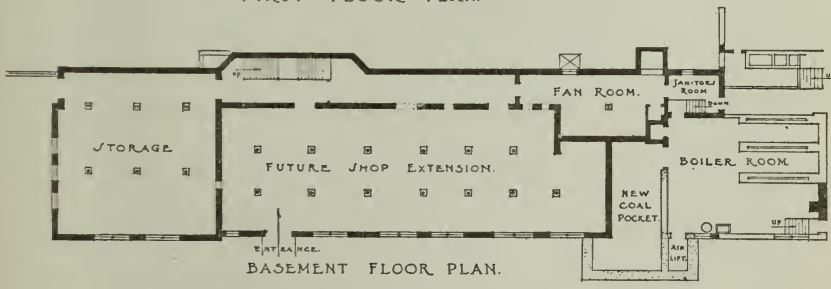
THIRD FLOOR PLAN.



SECOND FLOOR PLAN.



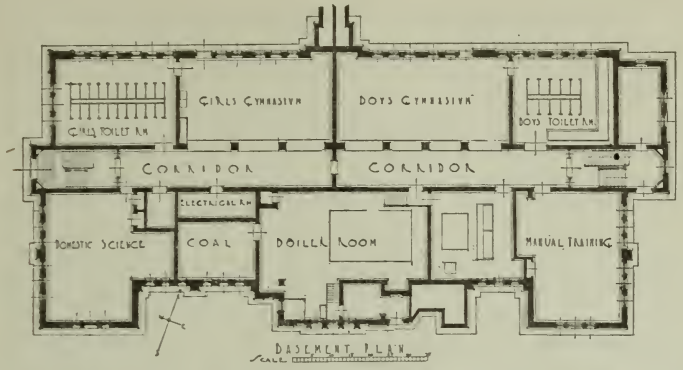
FIRST FLOOR PLAN.



BASEMENT FLOOR PLAN.

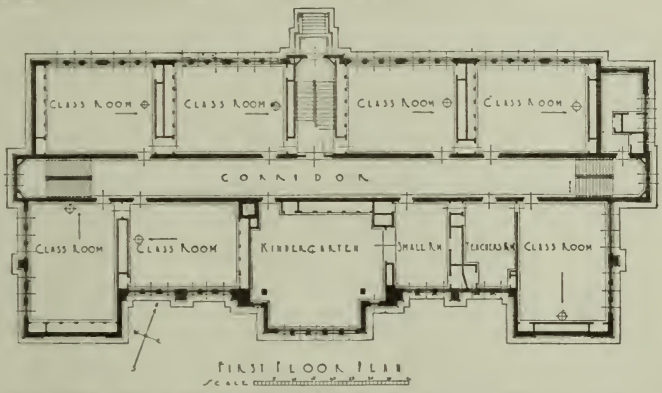
ADDITION TO HYDE PARK HIGH SCHOOL.
HARVARD AVE. WEBSTER & EVERETT STS. HYDE PARK MASS.
CHAS R. GRECO. ARCHITECT. 6 BEACON ST. BOSTON.
SCALE 1/16 - 1-0"


Rochambeau · School · Boston · Massachusetts ·
Joseph McGinnis, Del 1917



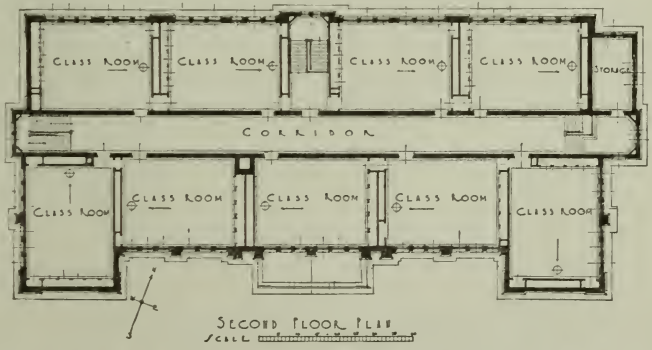
ROCHAMBEAU SCHOOL GIBSON ST DORCHESTER MASSACHUSETTS

JOSEPH McGINNISS ARCHITECT BOSTON MASS



ROCHAMBEAU SCHOOL GIBSON ST DORCHESTER MASSACHUSETTS

JOSEPH McGINNISS ARCHITECT BOSTON MASS



ROCHAMBEAU SCHOOL GIBSON ST DORCHESTER MASSACHUSETTS

JOSEPH McGINNISS ARCHITECT BOSTON MASS

Item 5.— Hyde Park High School Addition, Henry Grew District, Hyde Park. This addition is situated on Everett street. The area of the lot is 73,586 square feet. The area of the building is 7,563 square feet.

The basement contains two machine shops, two storage-rooms, one fan-room and one janitor's room.

The first floor contains one woodworking-room, one machine shop, one drafting-room, one public toilet-room, one wash-room and one boys' toilet-room.

The second floor contains one typewriting-room, one printing-room, one bookkeeping-room, one recitation-room, one locker-room, one girls' toilet-room and one teachers' toilet.

The third floor contains one study, one crafts-room, two recitation-rooms, 26 feet by 28 feet, one recitation-room, 24 feet by 26 feet, one toilet-room, one stock-room and one filing-room.

The materials of the walls are brick with limestone trimmings, and the construction is first class throughout.

Electrical System.— The addition is wired and equipped for electric lighting, electric power, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

Heating and Ventilating System.— This building contains a plenum system of ventilation. Another horizontal return tubular boiler is installed. Three boilers supply steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

The ventilation ducts from the rooms are connected into main ducts and carried to the top of the main ventilators on the roof. Ventilation of the small rooms is assisted by aspirating coils placed in the room.

Item 7.— Mary Hemenway District, Gibson Street, Dorchester. This two-story building is being erected on a lot owned by the city, the lot having come into the possession of the city by the will of Christopher Gibson in 1693. The lot contains 38,440 square feet. The building covers 10,625 square feet.

The basement contains one manual training-room, one domestic science-room, two gymnasiums, boys' and girls' toilet-rooms, one boiler-room, one fan-room, one electrical-room, one janitor's room and two store-rooms.

The first floor contains seven class-rooms, 23 feet by 29 feet, one kindergarten-room, 30 feet by 34 feet, one small kindergarten-room, 14 feet by 22 feet, one nurse's room and one teachers' room.

The second floor contains nine class-rooms, 23 feet by 29 feet, and one store-room.

The building is of brick with limestone trimmings, and the construction is first class throughout.

Electrical System.— The building is equipped for electric lighting, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

Heating and Ventilating System.— This building contains a plenum system of ventilation. Two horizontal return tubular boilers supply steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

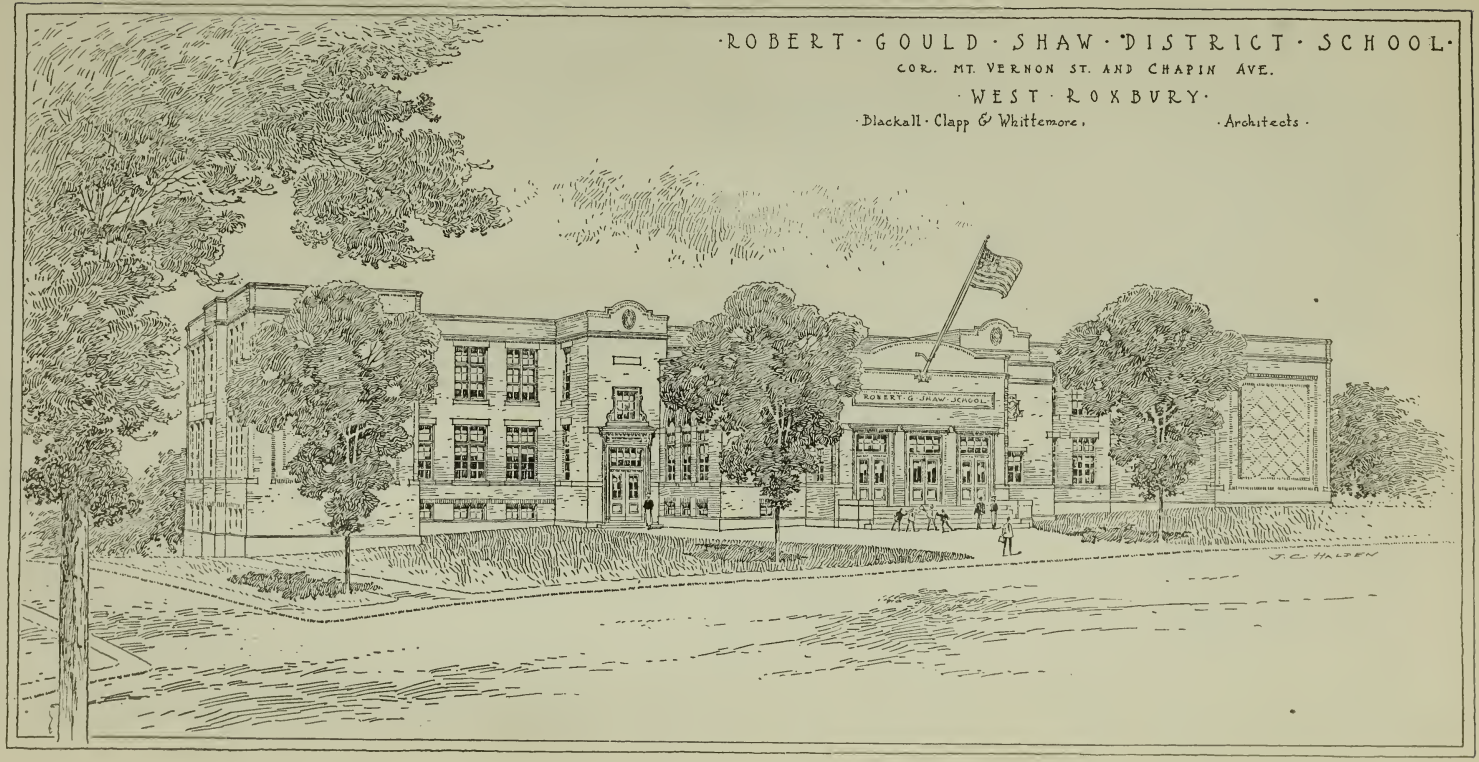
All water-closets in the basement toilet-rooms are provided with outlets for seat ventilation, which are brought together by galvanized-iron ducts and are connected to suction side of electric fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator. Connection is also made to the space back of the urinal.

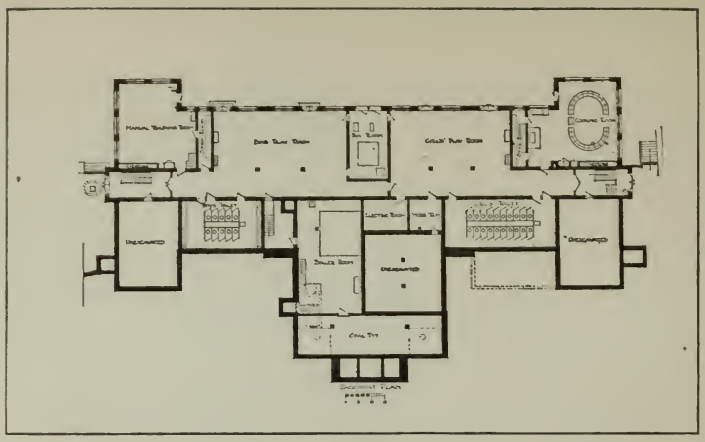
Item 8.— Upper and Lower Elementary School, Oliver Wendell Holmes District. This two-story building is being erected on a lot purchased by the city, situated on Glenway, Harvard and Greenwood streets. The area of the lot is 53,409 square feet. The building covers 20,584 square feet.

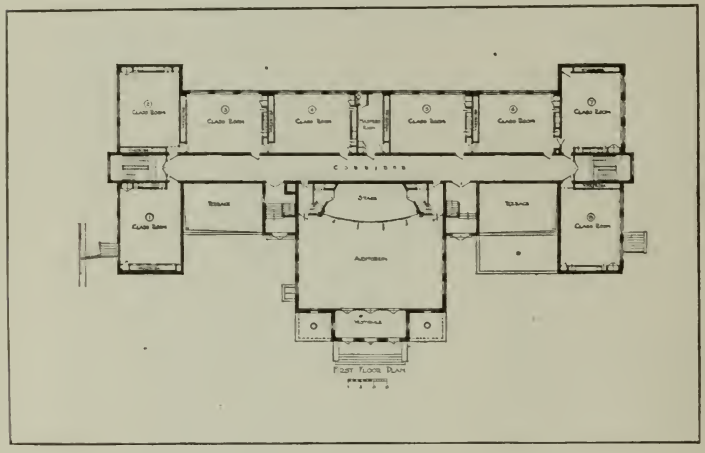
The basement contains three manual training-rooms, one domestic science-room, one housekeeping suite composed of a kitchen, dining-room, chamber and bath-room, one printing-room, one kindergarten, one manual training tool-room, one printing tool-room, one manual training stock-room, one domestic science stock-room, one printing stock-room, boys' and girls' toilet-rooms, one boiler-room, one fan-room, one electrical-room, one janitor's room, one janitor's store-room and four store-rooms.

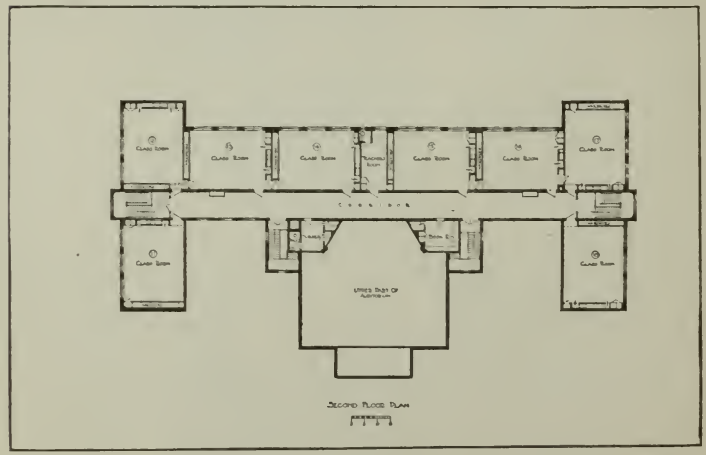
The first floor contains twelve class-rooms, 23 feet by 29 feet, one assembly hall, 54 feet by 60 feet, and two ante-rooms.

The second floor contains twelve class-rooms, 23 feet by 29 feet, one master's office and one master's private office,


·ROBERT · GOULD · SHAW · DISTRICT · SCHOOL·
COR. MT. VERNON ST. AND CHAPIN AVE.
·WEST · ROXBURY·
·Blackall · Clapp & Whittemore, ·Architects·
ROBERT G. SHAW SCHOOL
J. C. HALDEN







ROBERT GOULD SHAW DISTRICT.

Blackall, Clapp & Whittemore, Architects.

one nurse's room and one nurse's office, one men teachers' room, one women teachers' room, two emergency toilet-rooms, one storage-room and one book storage-room.

The building is constructed of brick with limestone trimmings, and is first-class construction throughout.

Electrical System.— The building is wired and equipped for electric lighting, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

Heating and Ventilating System.— This building contains a plenum system of ventilation. Two horizontal return tubular boilers supply steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

All water-closets in the basement toilet-rooms are provided with outlets for seat ventilation, which are brought together by galvanized-iron ducts and are connected to suction side of electric fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator. Connection is also made to the space back of the urinal.

Item 9.— Elementary School, Robert G. Shaw District. This two-story building is being erected on a lot purchased by the city, situated on Mt. Vernon street, West Roxbury. The lot contains 81,470 square feet. The building covers 14,503 square feet.

The basement contains one manual training-room, one domestic science-room, two gymnasiums, boys' and girls' toilet-rooms, one fan-room, one boiler-room, one electrical-room, one janitor's room and one store-room.

The first floor contains eight class-rooms, 23 feet by 29 feet, one assembly hall, 48 feet by 57 feet, two ante-rooms and one master's office.

The second floor contains eight class-rooms, 23 feet by 29 feet, one teachers' room, one nurse's room and one book-room.

The building is constructed of brick with limestone trimmings, and is first-class construction throughout.

Electrical System.— The building is wired and equipped for electric lighting, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

Heating and Ventilating System.— This building contains a plenum system of ventilation. Two horizontal return tubular boilers supply steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

All water-closets in the basement toilet-rooms are provided with outlets for seat ventilation, which are brought together by galvanized-iron ducts and are connected to suction side of electric fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator. Connection is also made to the space back of the urinal.

Item 10.— Elementary School, Henry L. Pierce District. This two-story building is being erected on a lot purchased by the city, situated on Dunbar avenue and Torrey street, Dorchester. The area of the lot is 37,850 square feet. The building covers 10,493 square feet.

The basement contains one manual training-room, one domestic science-room, boys' and girls' gymnasiums, boys' and girls' toilet-rooms, one boiler-room, one fan-room, one electrical-room, one janitor's room and one store-room.

The first floor contains eight class-rooms, 23 feet by 29 feet, one library, one nurse's room, one master's office and one waiting-room.

The second floor contains eight class-rooms, 23 feet by 29 feet, one sewing-room, one teachers' room.

The building is constructed of brick with limestone and granite trimmings, and the construction is first class throughout.

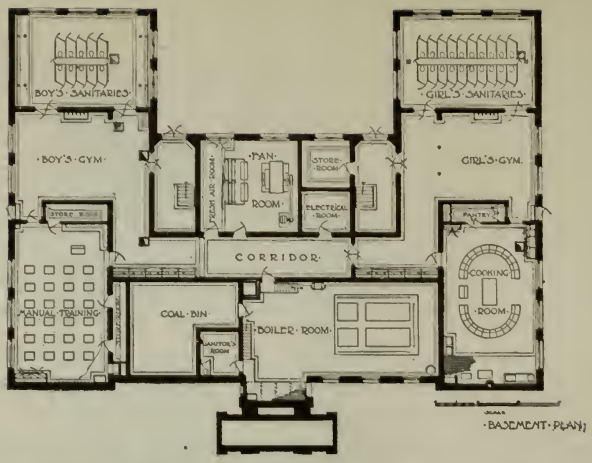
Electrical System.— The building is wired and equipped for electric lighting, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

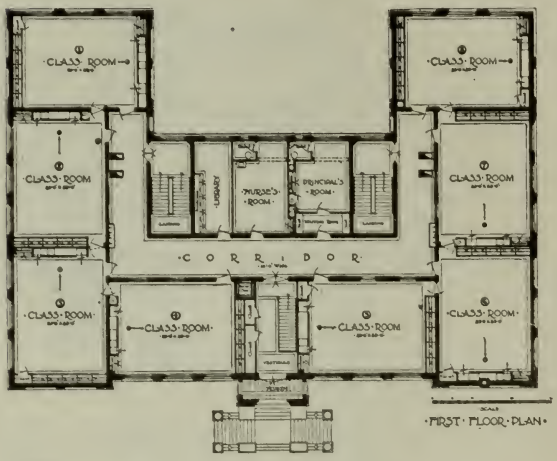
Heating and Ventilating System.— This building contains a plenum system of ventilation. Two horizontal return tubular boilers supply steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

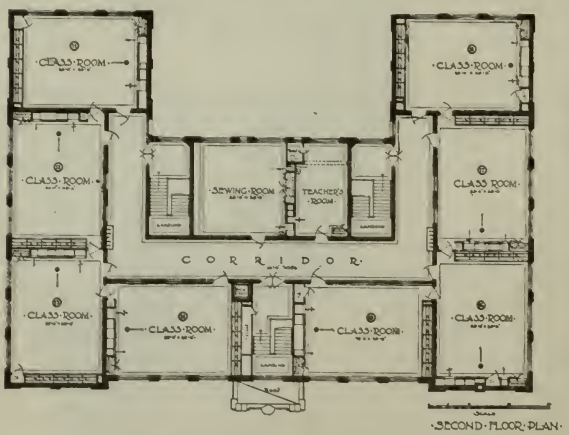
The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees

·CITY OF BOSTON· ELEMENTARY· SCHOOL· HENRY L·PIERCE·DISTRICT
·H·H·ATWOOD ARCHITECT·

J.C.HALDEN







HENRY L. PIERCE DISTRICT.
H. H. Atwood, Architect.

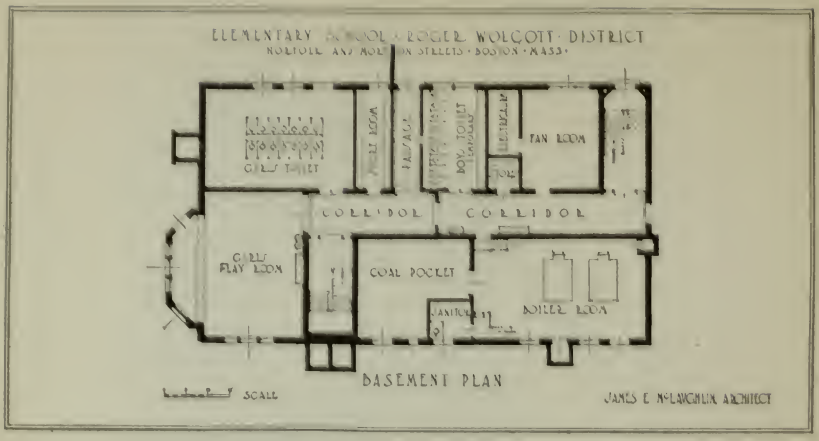
ELEMENTARY SCHOOL

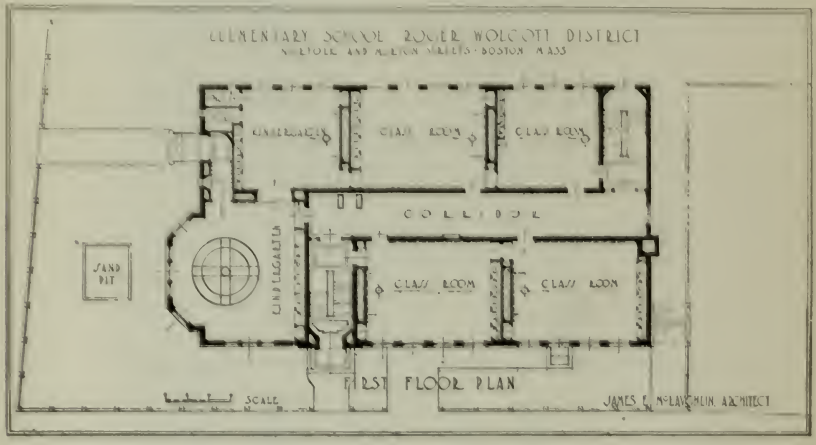
ROGER WOLCOTT DISTRICT

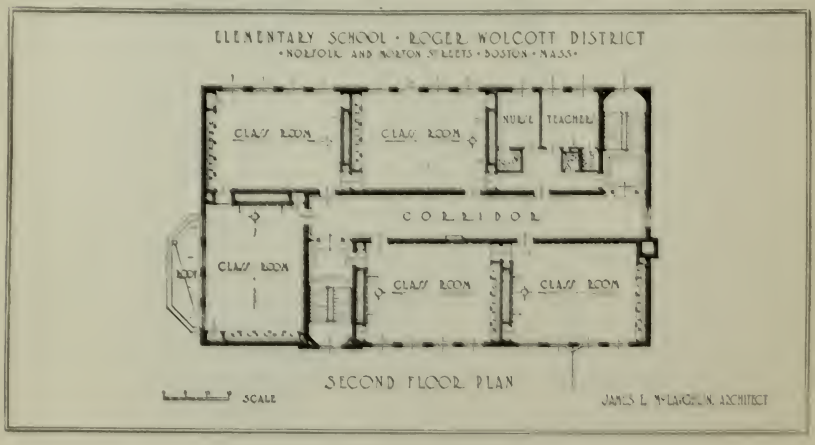
A.D. 1917 BOSTON MASS

James E. McLaughlin Architect

BOSTON MASS


ELEMENTARY SCHOOL · ROGER WOLCOTT DISTRICT
NORFOLK AND NORTON STREETS · BOSTON · MASS.
GIRLS' TOILET
BOYS' TOILET
FAN ROOM
CORRIDOR
CORRIDOR
GIRLS' PLAY ROOM
COAL POCKET
JANITOR
BOILER ROOM
BASEMENT PLAN
SCALE
JAMES E. McLAUGHLIN ARCHITECT


ELEMENTARY SCHOOL ROGER WOLCOTT DISTRICT
NORFOLK AND NORTON STREETS · BOSTON MASS
CLASS ROOM
CLASS ROOM
CLASS ROOM
CORRIDOR
SAND PIT
CLASS ROOM
CLASS ROOM
FIRST FLOOR PLAN
SCALE
JAMES E. McLAUGHLIN ARCHITECT


ELEMENTARY SCHOOL · ROGER WOLCOTT DISTRICT
· NORFOLK AND NORTON STREETS · BOSTON · MASS ·
CLASS ROOM
CLASS ROOM
TEACHER
CORRIDOR
CLASS ROOM
CLASS ROOM
CLASS ROOM
SECOND FLOOR PLAN
SCALE
JAMES E. McLAUGHLIN ARCHITECT

Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

All water-closets in the basement toilet-rooms are provided with outlets for seat ventilation, which are brought together by galvanized-iron ducts and are connected to suction side of electric fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator. Connection is also made to the space back of the urinal.

Item 11.— James Otis School, U. S. Grant District, East Boston. This third story has been added to the original James Otis School and gives an added area of 8,923 square feet.

The third floor contains six class-rooms, 26 feet by 32 feet, one fan-room and one supply-room.

The building is constructed of brick with limestone trimmings, and the construction is first class throughout.

Electrical System.— This building is equipped with additions for electric lighting and additions to telephone system for intercommunicating, and additions to the secondary clock system; also additions on fire alarm and bell system.

Heating and Ventilating System.— The present cast-iron sectional boilers were found large enough to heat the new floor. The fan, belt-driven by an electric motor and located on the third floor, furnishes air for ventilation.

The air is heated by a primary stack of indirect radiators, the temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The class-rooms, corridors and other rooms are warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under windows and automatically controlled by positive thermostats.

The ventilation ducts from the rooms are connected into main ducts and carried to the top of the main ventilators on the roof. Ventilation of the small rooms is assisted by aspirating coils placed in the room.

Item 12.— Elementary School, Roger Wolcott District. This two-story, eight-room unit of a proposed sixteen-room building is being erected on a lot purchased by the city, situated at the corner of Morton and Norfolk streets, Dorchester. The lot contains 49,000 square feet and the building covers 6,702 square feet.

The basement contains one gymnasium, boys' and girls' toilet-rooms, one boiler-room, one fan-room, one electrical-room, one janitor's room and two store-rooms.

The first floor contains three class-rooms, 23 feet by 29 feet, one special class-room, 23 feet by 24 feet, one kindergarten-room, 27 feet by 32 feet, one kindergarten-room, 22 feet by 23 feet.

The second floor contains five class-rooms, 23 feet by 29 feet, one teachers' room, one nurse's room.

The building is constructed of brick with limestone trimmings, and the construction is first class throughout.

Electrical System.— The building is wired and equipped for electric lighting, intercommunicating telephones, electric clocks, an automatic program system and a combined local and auxiliary fire alarm system. It is also equipped with a system of piping for vacuum cleaning.

Heating and Ventilating System.— This building contains a plenum system of ventilation. Two cast-iron sectional down draft boilers supply steam to the heating system at a pressure of from one to five pounds, the water of condensation returning to the boilers by gravity.

The fan, belt-driven by an electric motor, furnishes air for ventilation. The air is heated through a primary stack of indirect radiators, temperature being maintained at 68 degrees Fahrenheit by mixing dampers controlled automatically by a thermostat with graduated action and located in the fresh-air duct.

The building is warmed by direct radiators. Those in the class-rooms are the wall pattern, placed under the windows and automatically controlled by positive thermostats.

All water-closets in the basement toilet-rooms are provided with outlets for seat ventilation, which are brought together by galvanized-iron ducts and are connected to suction side of electric fans. These fans discharge the air through separate galvanized-iron flues to the top of the main ventilator. Connection is also made to the space back of the urinal.

APPENDIX XI.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Aaron Davis	Yeoman street, Roxbury	$10,900	$44,000	$54,900
Abby W. May	Thornton street, Roxbury	3,600	41,000	44,600
Abraham Lincoln	Fayette street, Roxbury	177,700	280,000	457,700
Abram E. Cutter	Medford street, Charlestown	4,800	13,000	17,800
Adams Street	Adams street, Dorchester	5,300	2,500	7,800
Agassiz	Brewer street, Jamaica Plain	19,600	112,000	131,600
Albert Palmer	Eustis street, Roxbury	12,900	45,000	57,900
Amos Webster	Hilton street, Hyde Park	1,300	9,200	10,500
Andrews	Genesee street, city	28,700	114,000	142,700
Asa Gray	Weston street, Roxbury	12,000	38,000	50,000
Atherton	Columbia road, Dorchester	10,600	50,000	60,600
Auburn	School street, Brighton	1,900	5,000	6,900
Austin	Paris street, East Boston	7,000	8,000	15,000
Bailey Street	Bailey street, Dorchester	5,100	6,900	12,000
Baldwin	Chardon street, city	24,600	13,000	37,600
B. F. Tweed	Cambridge street, Charlestown	16,800	39,000	55,800

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

NAME.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Benedict Fenwick	Magnolia street, Dorchester	$20,200	$62,800	$83,000
Benjamin Cushing	Robinson street, Dorchester	6,300	60,000	66,300
Benjamin Dean	H street, South Boston	4,600	42,000	46,600
Benjamin Pope	O street, South Boston	8,000	45,000	53,000
Bennett	Chestnut Hill avenue, Brighton	11,000	74,000	85,000
Bennett Branch	Dighton street, Brighton	2,900	15,000	17,900
Bigelow	West Fourth street, South Boston	29,000	180,000	209,000
Blackinton	Blackinton street, East Boston	20,600	124,000	144,600
Boston Trade School	Common street, city	51,300	38,700	90,000
Bowditch	Green street, Jamaica Plain	15,400	104,000	119,400
Bowdoin	Myrtle street, city	46,000	109,000	155,000
Brighton High	Cambridge street, Brighton	42,900	222,000	264,900
Bunker Hill	Baldwin street, Charlestown	20,600	67,400	88,000
Butler	East River street, Hyde Park	500	300	800
Canterbury Street	Canterbury street, West Roxbury	2,000	2,000	4,000
Capen	Sixth street, South Boston	5,600	34,000	39,600
Chapman	Eutaw street, East Boston	17,500	130,000	147,500
Charles Bulfinch	Parker street and Fisher avenue, Roxbury	19,500	79,000	98,500
Charles C. Perkins	St. Botolph street	48,000	76,500	124,500

Charles E. Daniels	Mead street, Charlestown	4,700	9,300	14,000
Charles Sumner	Ashland street, Roslindale	3,600	50,000	53,600
Charlestown High	Monument square, Charlestown	24,200	299,800	324,000
Chestnut Avenue	Chestnut avenue, Roxbury	5,500	2,000	7,500
Choate Burnham	East Third street, South Boston	5,100	60,000	65,100
Christopher Columbus	Tileston street, city	45,000	173,000	218,000
Christopher Gibson	Bowdoin avenue, Dorchester	9,900	111,000	120,900
Clinch	F street, South Boston	8,100	33,000	41,100
Comins	Tremont street, Roxbury	33,300	41,000	74,300
Commodore Barry	Belmont square, East Boston	8,400	55,000	63,400
Copley	Bartlett street, Charlestown	19,300	64,000	83,300
Cottage Place	Cottage place, Roxbury	10,600	2,500	13,100
Cudworth	Gove street, East Boston	31,300	80,000	111,300
Cushman	Parmenter street, city	105,500	57,000	162,500
Cyrus Alger	Seventh street, South Boston	10,000	48,000	58,000
Common Building	Tremont Entrance to Fenway	.....	.....	[1]
Damon	Readville street, Hyde Park	4,700	20,000	24,700
Dearborn	Ambrose street, Roxbury	24,200	223,000	247,200
Dillaway	Kenilworth street, Roxbury	17,100	79,000	96,100
Dorchester Avenue	Dorchester avenue, corner Gibson street, Dorchester	15,300	2,500	17,800
Dorchester High	Talbot avenue, Dorchester	54,300	456,000	510,300
Drake	C street, South Boston	12,800	33,000	45,800

[1] Assessed under Normal Group.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Dudley	Dudley and Putnam streets, Roxbury	$26,300	$132,000	$158,300
Dwight	West Springfield street, city	31,100	54,500	85,600
East Boston High	Marion street, East Boston	20,600	281,000	301,600
Edmund P. Tileston	Norfolk street, Mattapan	10,500	145,000	155,500
Edward Everett	Pleasant street, Dorchester	25,100	107,500	132,600
Elbridge Smith	Centre street, Dorchester	23,700	60,000	83,700
Elihu Greenwood	Metropolitan avenue, Hyde Park	4,600	34,000	38,600
Eliot	North Bennet street, city	38,600	45,000	83,600
Elizabeth Peabody	Poplar street, city	16,300	15,200	31,500
Ellen H. Richards	Beaumont street, Dorchester	7,800	44,000	51,800
Ellis Mendell	School street, West Roxbury	13,800	122,000	135,800
Emerson	Prescott street, East Boston	20,000	101,000	121,000
English High	Montgomery street, city	256,900	527,000	783,900
Everett	West Northampton street, city	45,400	105,500	150,900
Fairmount	Williams avenue, Hyde Park	4,400	27,000	31,400
Farragut	Fenwood road, Roxbury	23,700	165,000	188,700
Florence Nightingale	West Park street, Dorchester	11,900	60,000	71,
Florence Street	Florence street, Roslindale	3,000	5,000	8,000
Franklin	Waltham street, city	41,100	50,000	91,100

Frances E. Willard	Rutland street, city	11,800	18,100	29,900
Francis Parkman	Walk Hill street, Forest Hills	4,000	122,000	126,000
Frederic A. Whitney	Armington street, Brighton	4,300	50,000	54,300
Frederic W. Lincoln	Broadway, South Boston	14,700	48,000	62,700
Freeman	Charter street, city	26,200	28,000	54,200
Frothingham	Prospect street, Charlestown	21,000	81,000	102,000
Frothingham Annex	Prospect street, Charlestown			[1]
Gaston	East Fifth street, South Boston	17,700	104,000	121,700
George Bancroft	Appleton street, near Dartmouth street	46,100	35,000	81,100
George Frisbie Hoar	West Fifth street, near D street	18,000	69,000	87,000
George Putnam	Columbus avenue, near Egleston square	23,400	121,000	144,400
George T. Angell	Harrison avenue and Hunneman street	39,400	55,200	94,600
Germantown	Washington street, Germantown	2,700	10,000	12,700
Gilbert Stuart	Richmond street, Dorchester	9,300	114,000	123,300
Girls' High	West Newton street, city	56,200	458,900	515,100
Girls' Latin	Tremont Entrance to Fenway			[2]
Glenway	Glenway street, Dorchester			[3]
Glenway Annex	Glenway street, Dorchester			[3]
Grant	Phillips street, city	9,400	9,100	18,500
Hancock	Parmenter street, city	165,700	54,800	220,500
Hancock Annex	Parmenter street, city			[4]
Harbor View Street	Harbor View street, Dorchester	11,100	15,000	26,100

[1] Assessed under Frothingham. [2] Assessed under Normal Group. [3] Assessed under William E. Endicott. [4] Assessed under Hancock.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Harris	Adams street, Dorchester	$9,300	$20,300	$29,600
Harvard	Devens street, Charlestown	21,200	81,800	103,000
Harvard	North Harvard street, Brighton	3,100	11,000	14,100
Hawes Hall	Broadway, South Boston	30,400	42,000	72,400
Heath Street	Heath street, Roxbury	4,800	1,000	5,800
Hemenway	Wolcott street, Hyde Park	1,300	8,400	9,700
Henry Grew	Gordon avenue, Hyde Park	8,100	45,000	53,100
Henry L. Pierce	Washington street, Dorchester	32,200	118,000	150,200
Henry Vane	Baker street, West Roxbury	2,500	31,000	33,500
High School of Commerce	Avenue Louis Pasteur, Roxbury	63,900	480,000	543,900
High School of Practical Arts	Greenville street, Roxbury	26,900	298,500	325,400
High School of Practical Arts Annex	Greenville street, Roxbury			[1]
Hillside	Elm street, Jamaica Plain	13,000	32,000	45,000
Hobart Street	Hobart street, Brighton	4,500	17,000	21,500
Horace Mann	Newbury street, city	42,000	87,000	129,000
Howard Avenue	Howard avenue, Dorchester	11,500	113,000	124,500
Howard Avenue Annex	Howard avenue, Dorchester			[2]
Hugh O'Brien	Dudley and Langdon streets, Roxbury	28,400	126,000	154,400
Hugh O'Brien Annex	Dudley and Langdon streets, Roxbury			

Hull	Quincy street, Roxbury	7,000	45,000	52,000
Hyde	Hammond street, Roxbury	20,800	121,000	141,800
Hyde Park High	Everett street, Hyde Park	6,000	85,000	91,000
Ira Allen	Parker street, Roxbury	13,600	54,000	67,600
Jacob Foss	Adams and Chestnut streets, Charlestown	23,000	3,500	26,500
James A. McDonald	Polk street, Charlestown			[4]
James Otis	Paris and Marion streets, East Boston	10,400	109,400	119,800
Jefferson	Heath street, Roxbury	11,500	211,000	222,500
John A. Andrew	Dorchester street, South Boston	14,200	68,000	82,200
John Boyle O'Reilly	Dorchester street, South Boston	12,500	113,000	125,500
John Cheverus	Moore street, East Boston	18,900	103,000	121,900
John D. Philbrick	Folsom street, West Roxbury	2,700	59,700	62,400
John G. Whittier	Southern avenue, Dorchester	6,900	83,100	90,000
John J. Williams	Groton street, city	23,400	69,000	92,400
John L. Motley	Savin Hill avenue, Dorchester	12,300	25,000	37,300
John Winthrop	Brookford and Dacia streets	11,100	110,000	121,100
Joseph Tuckerman	Fourth and L streets, South Boston	15,100	77,000	92,100
Joshua Bates	Harrison avenue, city	19,000	48,000	67,000
Julia Ward Howe	Dale street, Roxbury	13,900	65,000	78,900
Julia Ward Howe Annex	Dale street, Roxbury			[5]
Lafayette	Ruggles street, Roxbury	13,800	62,800	76,600

[1] Assessed under High School of Practical Arts. [2] Assessed under Howard Avenue. [3] Assessed under Hugh O'Brien.
[4] Assessed under Polk Street. [5] Assessed under Julia Ward Howe.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Lawrence	B street, South Boston	$14,300	$42,000	$56,300
Lewis	Paulding street, Roxbury	18,500	108,000	126,500
Little Em'ly	Adams street, Dorchester			[1]
Longfellow	Hewlett and South streets, Roslindale	7,700	131,000	138,700
Louisa May Alcott	West Concord street, city	17,500	35,000	52,500
Louis Prang	Bartlett street, Roxbury	6,900	26,000	32,900
Lowell	310 Centre street, Jamaica Plain	22,900	44,500	67,400
Lowell Annex	Mozart street, Jamaica Plain			[2]
Lucretia Crocker	Parker street, Roxbury	16,500	53,000	69,500
Lyceum Hall	Meeting House Hill, Dorchester	10,600	20,000	30,600
Margaret Fuller	Glen road, Jamaica Plain	5,700	40,000	45,700
Marshall	Westville street, Dorchester	14,600	183,000	197,600
Martha Baker	Walk Hill street, Dorchester	4,500	24,500	29,000
Martin	Huntington avenue, Roxbury	63,700	105,000	168,700
Mary Hemenway	Adams street, Dorchester	9,000	122,000	131,000
Mary L. Brock	Chestnut Hill avenue, Brighton	13,700	20,000	33,700
Mary Lyon	Turner and Hester streets, Brighton	6,000	40,000	46,000
Mather	Meeting House Hill, Dorchester	43,000	302,500	345,500
Mayflower	Harbor View street, Dorchester			[3]

Mayhew	Chambers street, city	53,000	107,000	160,000
Mechanic Arts High	Belvidere street, city	97,000	648,000	745,000
Minot	Neponset avenue, Neponset	9,500	64,000	73,500
Mozart	Beech street, West Roxbury	4,800	23,000	27,800
Mt. Pleasant Avenue	Mt. Pleasant avenue, Roxbury	2,400	3,700	6,100
Mt. Vernon Street	Mt. Vernon street, West Roxbury	9,800	6,000	15,800
Miles Standish	Roxbury and King streets, Roxbury	14,100	42,000	56,100
Nahum Chapin	Common street, Charlestown	7,700	6,800	14,500
Nathan Hale	Cedar street, Roxbury	16,000	68,000	84,000
Nathaniel Hawthorne	Harlow street, Roxbury			[4]
Noble	Princeton street, East Boston	7,000	48,000	55,000
Noble Annex	Princeton street, East Boston			[5]
Norcross	D street, South Boston	10,000	73,000	83,000
Normal Group *	Huntington avenue, Roxbury	225,000	750,000	975,000
Oak Square	Nonantum street, Brighton	3,600	20,000	23,600
Old Agassiz	Burroughs street, Jamaica Plain			[6]
Old Baker Street	Baker street, West Roxbury	1,200	1,000	2,200
Old Dearborn	Dearborn place, Roxbury			[7]
Old Edward Everett	Sumner street, Dorchester	10,200	40,000	50,200
Old Gibson	Athelwold street, Dorchester			[8]
Old Ira Allen	Leon street, Roxbury	4,500	1,000	5,500

* Includes assessed valuation of Girls' Latin, Patrick A. Collins and Common Building.

[1] Assessed under Harris. [2] Assessed under Lowell. [3] Assessed under Harbor View Street. [4] Assessed under Howard Avenue.
[5] Assessed under Noble. [6] Assessed under Agassiz. [7] Assessed under Dearborn. [8] Assessed under Oliver Wendell Holmes.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Old Mather	Meeting House Hill, Dorchester			[1]
Old Parkman	Silver street, South Boston	$2,700	$6,000	$8,700
Oliver H. Perry	East Seventh street, South Boston	11,200	146,000	157,200
Oliver Holden	Pearl street, Charlestown	10,700	5,300	16,000
Oliver Wendell Holmes	School street, Dorchester	16,900	195,000	211,900
Parkman	Broadway, South Boston	23,400	28,000	51,400
Patrick A. Collins	Worthington street, Roxbury			[2]
Paul Jones	Horace street, East Boston	7,000	114,000	121,000
Paul Revere	Prince street, city	113,900	164,600	278,500
Peter Faneuil	Joy street, city	80, 000	110,000	190,000
Philip H. Sheridan	Prescott street, East Boston	10,100	74,000	84,100
Phillips Brooks	Quincy and Perth streets, Dorchester	13,300	125,000	138,300
Phineas Bates	Beech street, West Roxbury	2,200	28,000	30,200
Pierpont	Hudson street, city	7,900	22,100	30,000
Plummer	Belmont street, East Boston	21,000	89,000	110,000
Polk Street	Polk street, Charlestown	7,700	82,300	90,000
Pormort	Snelling place, city	6,600	9,400	16,000
Prescott	Elm street, Charlestown	7,100	26,400	33,500
Prescott Annex	Elm street, Charlestown			

Prince	Newbury street, city	137,800	132,000	269,800
Public Latin	Warren avenue, city			[4]
Quincy	Tyler street, city	36,000	69,000	105,000
Quincy E. Dickerman	Magnolia street, Dorchester	8,800	88,000	96,800
Quincy Street	Quincy street, Dorchester	5,700	4,900	10,600
Rice	Dartmouth street, city	74,600	65,000	139,600
Richard C. Humphreys	Sumner street, Dorchester			[5]
Robert G. Shaw	Hastings street, West Roxbury	9,200	58,000	67,200
Robert Swan	Thetford avenue and Evans street, Dorchester	8,400	37,000	45,400
Roger Clap	Harvest street, Dorchester	8,600	67,000	75,600
Roger Wolcott	Morton and Norfolk streets, Mattapan	11,100	137,000	148,100
Roxbury High	Warren street, Roxbury	27,700	384,000	411,700
Samuel Adams	Webster street, East Boston	24,400	143,000	167,400
Samuel Dexter	Harvard street, Charlestown	8,600	11,400	20,000
Samuel G. Howe	Fifth street, South Boston	8,700	43,000	51,700
Samuel W. Mason	Norfolk avenue, Roxbury	14,000	118,000	132,000
Sarah J. Baker	Perrin street, Roxbury	13,800	161,000	174,800
Savin Hill	Savin Hill avenue, Dorchester	7,000	13,700	20,700
School Street	School street, Roxbury			[6]
Sharp	Anderson street, city	23,800	19,200	43,000
Sherwin	Madison square, Roxbury	25,600	103,000	128,600

[1] Assessed under Mather. [2] Assessed under Normal Group. [3] Assessed under Prescott. [4] Assessed under English High.
[5] Assessed under Old Edward Everett. [6] Assessed under George Putnam.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Continued.*

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Shurtleff	Dorchester street, South Boston	$30,400	$75,000	$105,400
Simonds	Broadway, South Boston			[1]
Skinner	Fayette street, city	26,600	26,400	53,000
Smith Street	Smith street, Roxbury	4,200	1,000	5,200
Somerset Street	Somerset street, corner Allston street	75,600	8,400	84,000
South Boston High	Thomas park, South Boston	47,800	343,700	391,500
Stephen M. Weld	Seymour street, Roxbury	4,000	47,000	51,000
Stoughton	River street, Dorchester	3,700	15,000	18,700
School Committee Building	City	307,400	12,600	320,000
Tappan	Lexington street, East Boston	6,900	48,600	55,500
Theodore Lyman	Paris and Gove streets, East Boston	21,000	114,000	135,000
Thomas Dwight	Phillips street, Roxbury	14,200	35,000	49,200
Thomas Gardner	Athol and Brentwood streets	10,900	140,000	150,900
Thomas Gardner Annex	Athol street, Brighton			[2]
Thomas N. Hart	East Fifth street, South Boston	10,500	131,000	141,500
Thomas Starr King	Bunker Hill street, Charlestown			[3]
Thornton Street	Thornton street, Roxbury	2,000	1,000	3,000
Trade School for Girls	620 Massachusetts avenue, city	22,200	22,900	45,100
Trescott	Tileston avenue, Hyde Park	4,200	49,000	53,200

Tyler Street	Tyler street, city	21,600	20,000	41,600
Ulysses S. Grant	Paris street, East Boston	22,000	116,500	138,500
Wait	Shawmut avenue, city	49,000	28,000	77,000
Walnut Street	Walnut street, Neponset	4,600	10,000	14,600
Warren	Summer street, Charlestown	17,200	45,000	62,200
Washington	Norman street, city	74,600	325,500	400,100
Washington Allston	Cambridge street, Brighton	26,800	50,000	76,800
Washington Allston Annex	Cambridge street, Brighton			[4]
Washington Street	Washington street, Forest Hills	3,300	1,000	4,300
Way Street	Way street, near Harrison avenue	4,400	5,000	9,400
Weld	Highland street, Hyde Park	2,200	5,400	7,600
Wells	Blossom street, city	39,400	60,500	99,900
Wendell Phillips	Phillips street, city	53,500	40,200	93,700
West Roxbury High	Elm street, Jamaica Plain	20,000	130,000	150,000
William Bacon	Vernon street, Roxbury	23,100	80,000	103,100
William Bradford	Willowwood street, Dorchester	5,300	42,000	47,300
William Brewster	Morton street, Mattapan	8,900	26,100	35,000
William Brewster Annex	Morton street, Mattapan			[5]
William C. Bryant	Kenilworth street, Roxbury	3,500	30,000	33,500
William E Endicott	McLellan street, Dorchester	19,400	94,500	113,900
William E. Russell	Columbia road, Dorchester	39,300	188,000	227,300

[1] Assessed under Hawes Hall. [2] Assessed under Thomas Gardner. [3] Assessed under Bunker Hill.
[4] Assessed under Washington Allston. [5] Assessed under William Brewster.

City of Boston.— Public Schools.— Assessed Valuations.— Land and Buildings.— *Concluded.*

Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
William Eustis	George street, Roxbury	$12,300	$21,600	$33,900
William H. Kent	Moulton street, Charlestown	8,000	53,500	61,500
William L. Garrison	Hutchings street, Roxbury	18,000	66,100	84,100
William Wirt Warren	Waverly street, Brighton	3,500	40,000	43,500
Williams	Homestead street, Roxbury	10,500	40,000	50,500
Winchell	Blossom street, city	59,300	115,000	174,300
Winship	Dighton street, Brighton	7,600	116,000	123,600
Winthrop Street	Winthrop street, Roxbury	4,900	1,000	5,900
W. L. P. Boardman	Munroe street, Roxbury	9,400	53,000	62,400
Wyman	Wyman street, Jamaica Plain	12,200	42,000	54,200
William Blackstone	Blossom street, city	65,000	174,000	239,000

Vacant Lots and Portable Buildings.

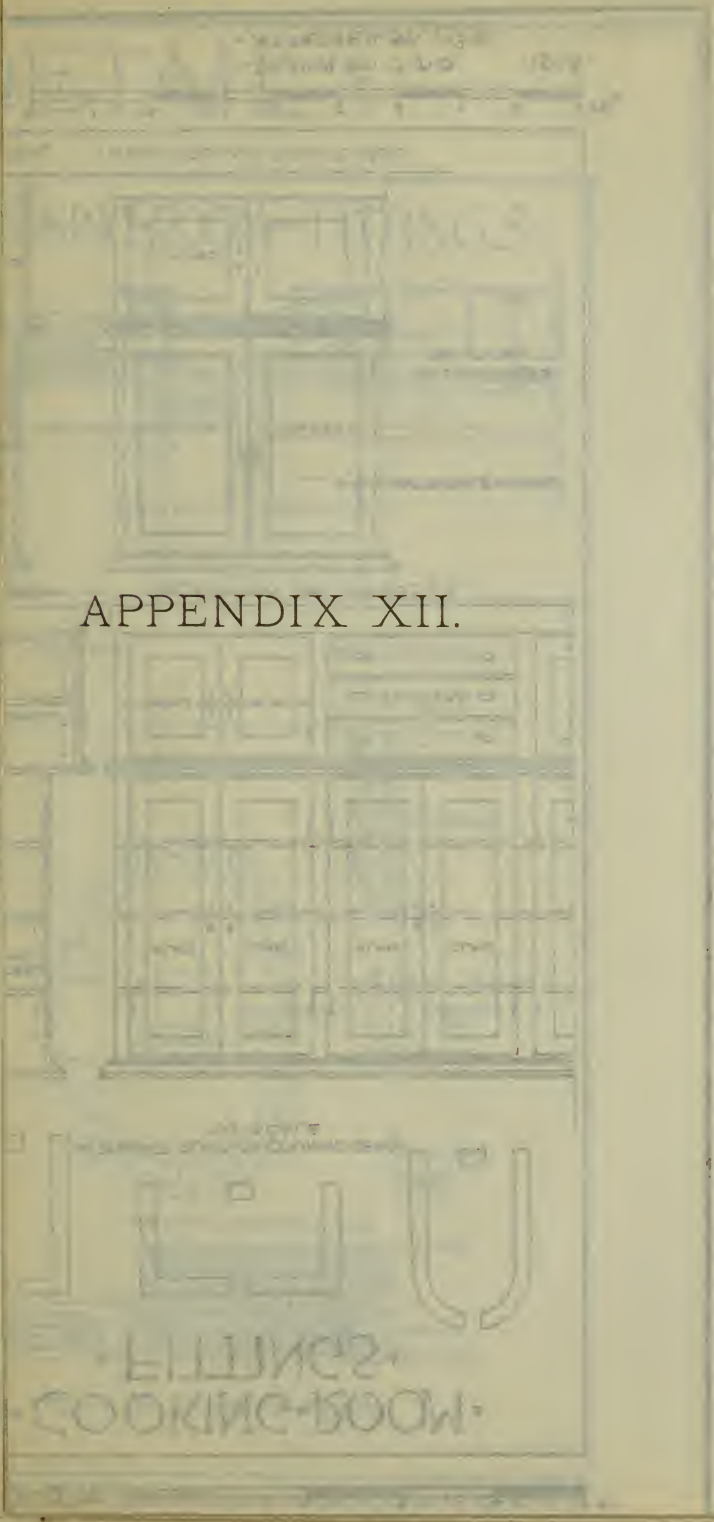
Name.	Location.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
Norfolk street	Dorchester	$9,100	.....	$9,100
Chauncey place	Charlestown	3,700	.....	3,700
Dunbar avenue	Dorchester	4,500	.....	4,500
9 Warrenton street	City	6,300	$3,000	9,300
Gibson street	Dorchester	8,400	.....	8,400
25 Warrenton street	City	7,100	2,800	9,900
Parker street	Roxbury	56,100	.....	56,100
Peverell street	Dorchester	900	.....	900
Glenway and Harvard streets	Dorchester	30,700	.....	30,700
Washington and Stimson streets	Germantown	800	.....	800
Grove street lot	West Roxbury	800	.....	800
Everett street lot	Dorchester	3,800	3,000	6,800
Rosewood street lot	Dorchester	3,300	500	3,800
Brainerd road	Brighton	6,500	.....	6,500
Academy Hill road	Brighton	5,400	.....	5,400
Washington street and Corey road	Brighton	9,000	.....	9,000
Union street	Brighton	10,000	.....	10,000
Harvard avenue and Webster streets	Hyde Park	4,000	.....	4,000
Charter street lot	City	58,500	.....	58,500
Frankfort, Porter and Lubec streets	East Boston	13,500	.....	13,500
105 old style portables at $2,000 apiece	.....	.....	210,000	210,000
31 new style portables at $2,000 apiece	.....	.....	62,000	62,000

Grand Totals.

LETTERS.	Land, Assessed Valuation.	Building, Assessed Valuation.	Total Assessed Valuation.
A	$296,300	$705,400	$1,001,700
B	320,100	1,185,600	1,505,700
C	417,100	1,380,100	1,797,200
D	185,800	981,000	1,166,800
E	483,300	1,576,200	2,059,500
F	166,100	654,100	820,200
G	222,200	976,200	1,198,400
H	513,700	1,813,800	2,327,500
I	13,600	50,000	63,600
J	193,700	1,119,700	1,313,400
L	128,700	520,300	649,000
M	350,800	1,716,700	2,067,500
N	265,700	940,400	1,206,100
O	61,000	414,300	475,300
P	438,000	993,800	1,431,800
Q	50,500	161,900	212,400
R	139,600	729,000	868,600
S	625,600	1,078,200	1,703,800
T	113,500	561,500	675,000
U	22,000	110,000	132,000
W	438,100	1,368,700	1,806,800
W	157,000	501,000	658,000
Vacant lots	151,400	9,300	160,700
Portable buildings	.....	137,000	137,000
Grand Totals	$5,753,800	$19,684,200	$25,438,000

ALLIED PRINTING TRADES LABOR COUNCIL UNION 21

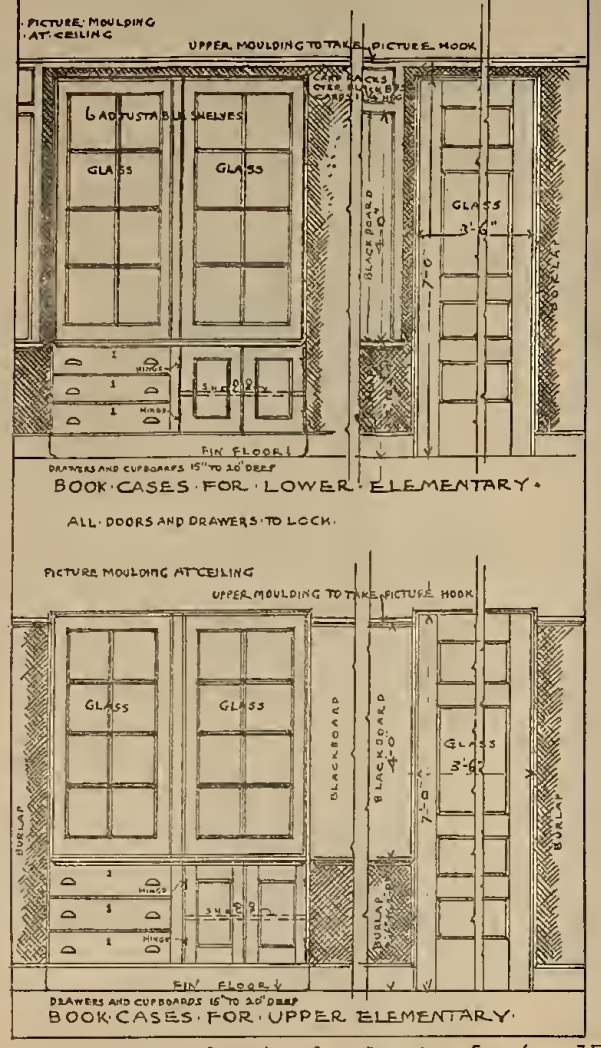
APPENDIX XII.



STANDARDS OF GENERAL DETAIL

CITY OF BOSTON · SCHOOLHOUSE DEPARTMENT

BOOK CASES



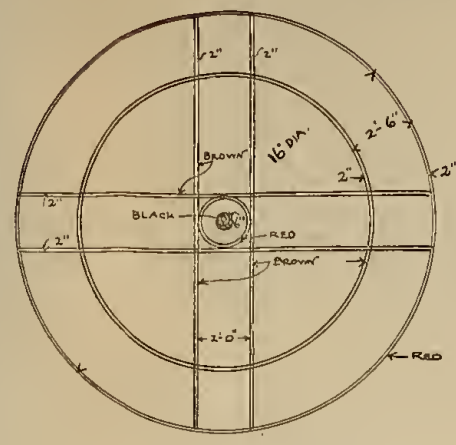
BOOK CASES FOR LOWER ELEMENTARY

ALL DOORS AND DRAWERS TO LOCK

BOOK CASES FOR UPPER ELEMENTARY

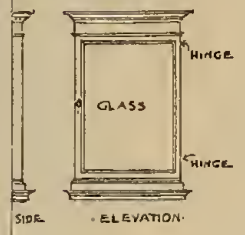
SCALE OF DETAIL 0 1 2 3 4 5 6 7 FT

KINDERGARTEN CIRCLE

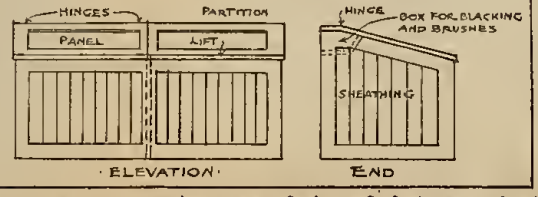


PLAN OF CIRCLE

BULLETIN BOARD



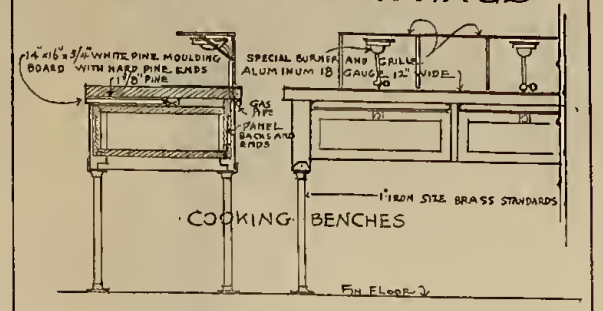
COAL AND WOOD BOX



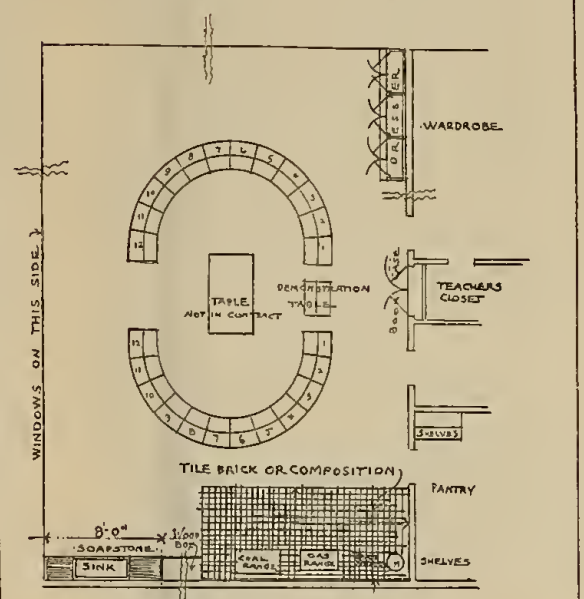
SCALE OF PLAN 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 FT

SCALE OF DETAIL 0 1 2 3 4 5 6 7 FT

COOKING ROOM AND FITTINGS



SECTION ELEVATION

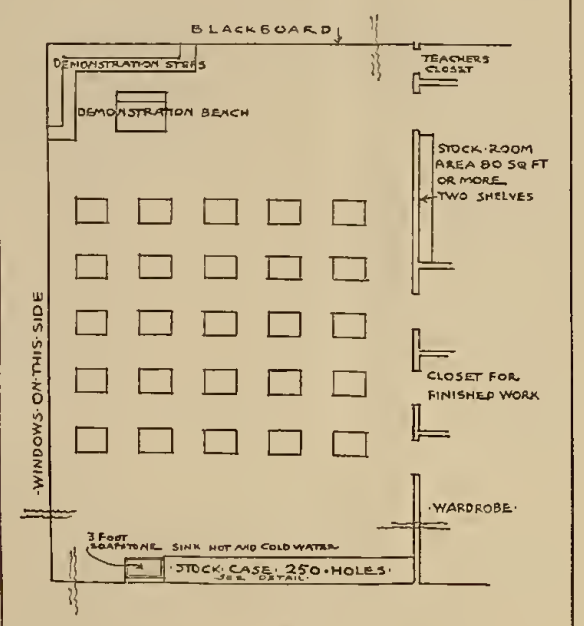


PLAN OF COOKING ROOM

SCALE OF PLAN 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 FT

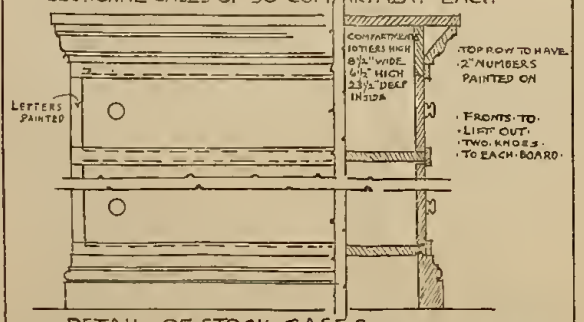
SCALE OF DETAIL 0 1 2 3 4 FT

MANUAL TRAINING ROOM



PLAN OF MANUAL TRAINING ROOM

SECTIONAL CASES OF 30 COMPARTMENT EACH

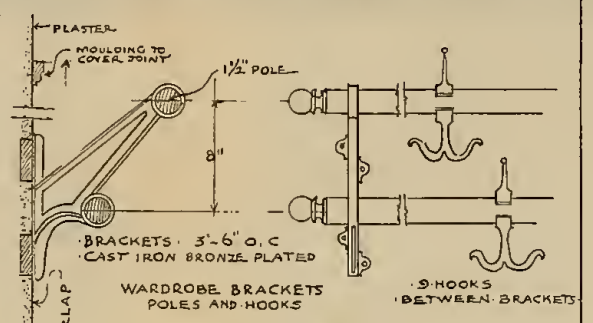


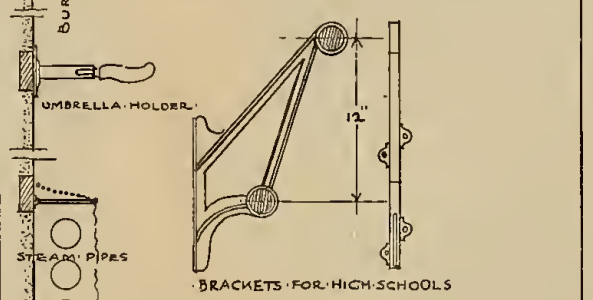
DETAIL OF STOCK CASES

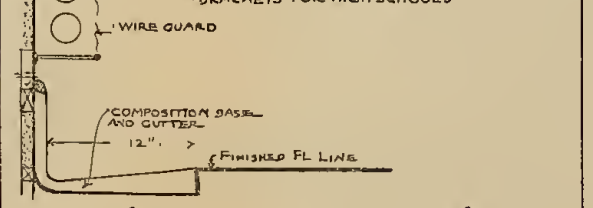
SCALE OF PLAN 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 FT

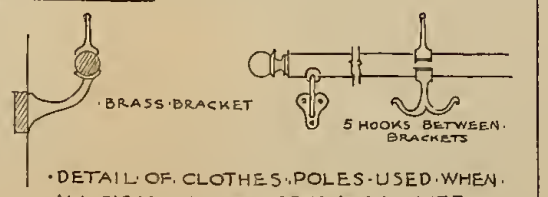
SCALE OF DETAIL 0 1 2 FT

WARDROBE FITTINGS





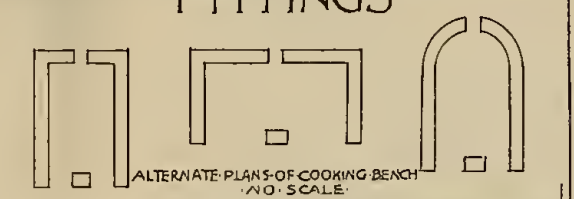




DETAIL OF CLOTHES POLES USED WHEN ALL SIDES OF WARDROBES ARE UTILIZED

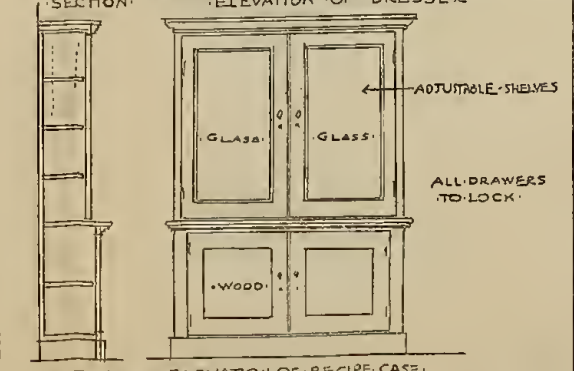
SCALE 0 1 2 3 FT

COOKING ROOM FITTINGS



ALTERNATE PLANS OF COOKING BENCH NO SCALE

SECTION ELEVATION OF DRESSER



SECTION ELEVATION OF RECIPE CASE

SCALE 0 1 2 3 4 5 6 7 8 9 FT

DRAWN BY J. J. D 1913

APPROVED BY J. J. B.

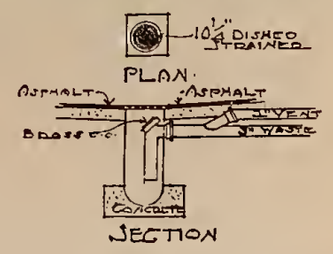
BOOK - CV

21

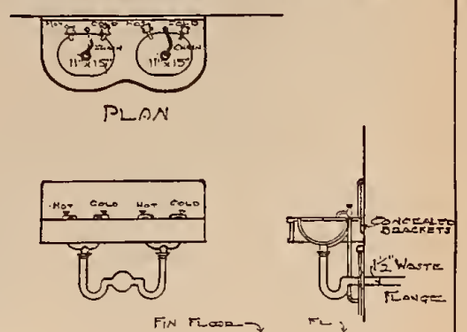
APPENDIX XIII.

PLUMBING STANDARDS

FLOOR WASH

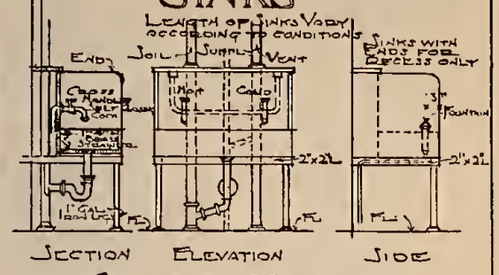


ENAMEL IRON LAVATORY BOWLS

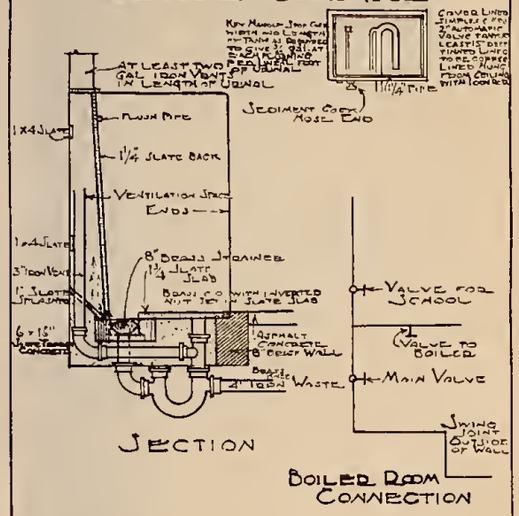


SIZE OF SLAB 20" x 44"

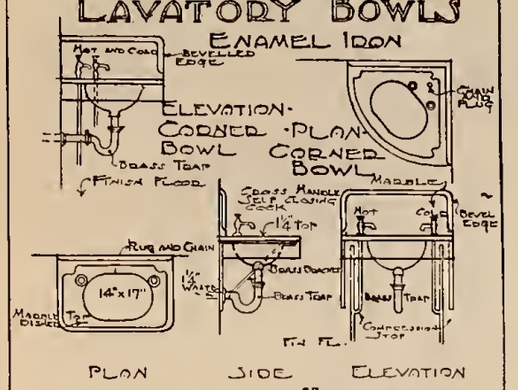
SLATE AND SOAPSTONE SINKS



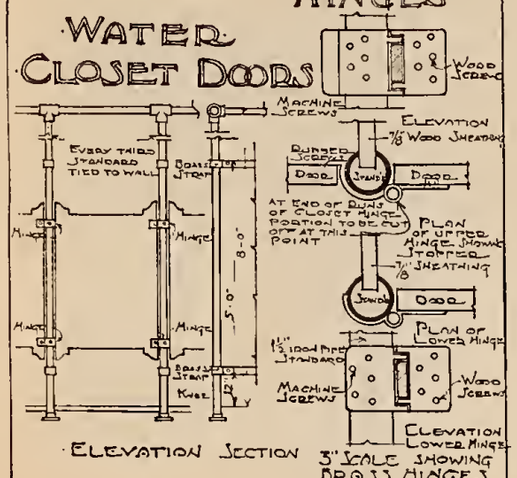
SLATE URINAL



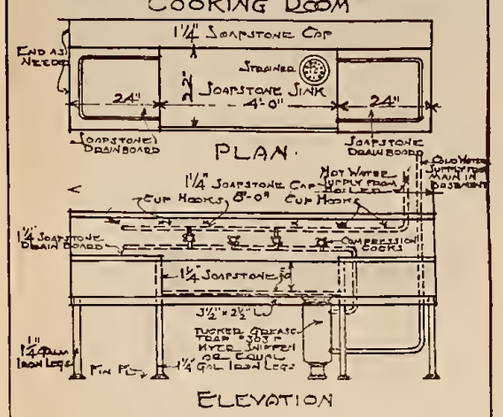
LAVATORY BOWLS ENAMEL IRON



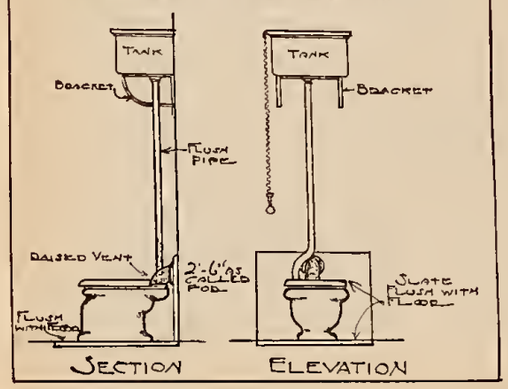
HINGES WATER CLOSET DOORS



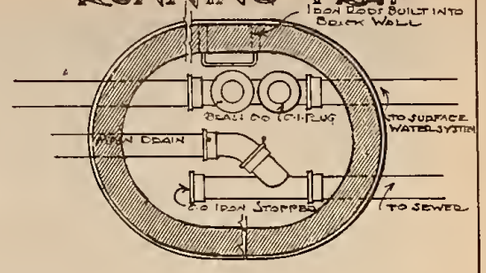
SOAPSTONE SINK COOKING ROOM

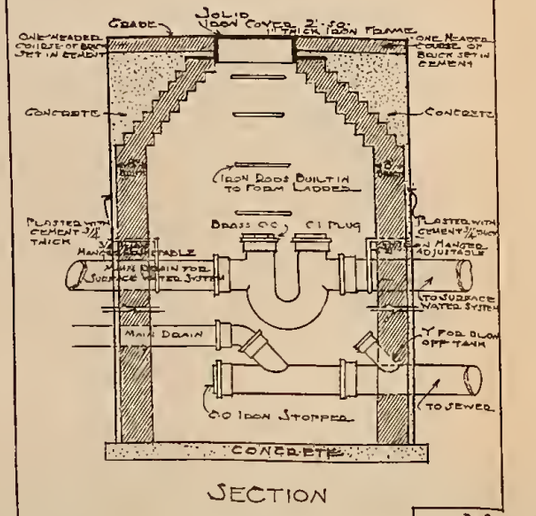


TEACHERS CLOSET

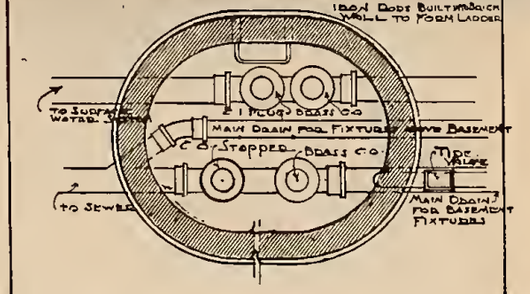


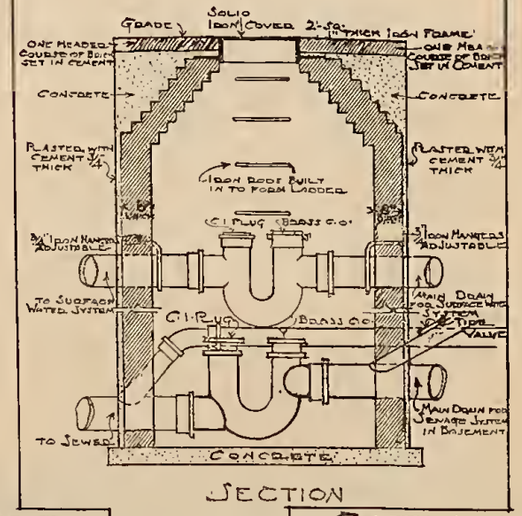
RUNNING TRAP





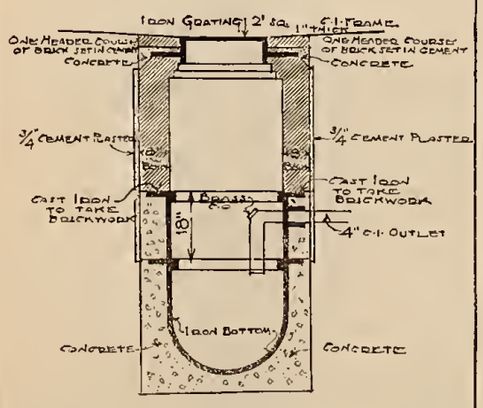
TIDE TRAP





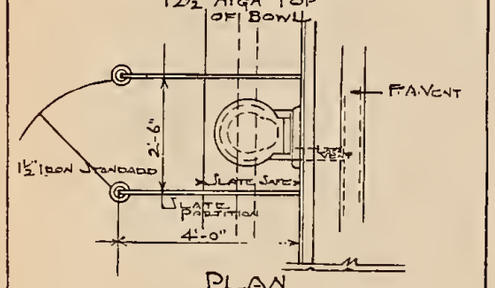
CATCH BASIN

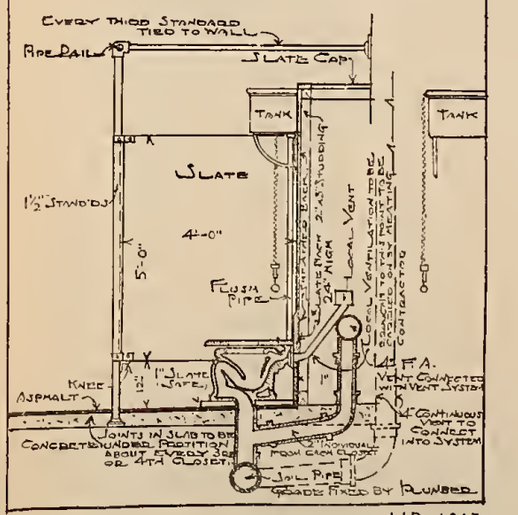
PLAN OF COVER



PUPILS CLOSET

UPPER ELEMENTARY
LOWER ELEMENTARY TO HAVE RAISED VENT
12½" HIGH TOP OF BOWL





SCALE 0 1 2 3 4 5 6 7 8 FT.

MAN HOLE SCHOOLHOUSE

CITY OF BOSTON DEPARTMENT

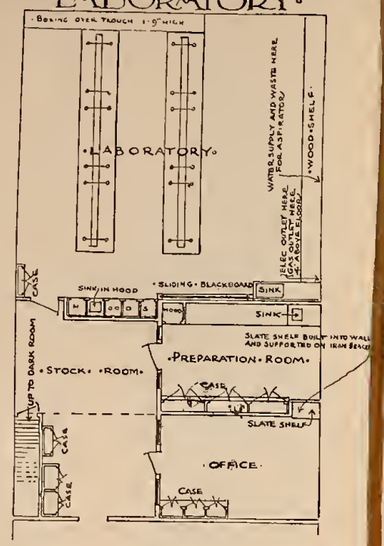
DRAWN BY J.J.D. 1913.
TRACED BY E.P. 1917.
APPROVED P. J. Gibbons.

APPENDIX XIV.

HIGH SCHOOL STANDARD FITTINGS

CITY OF BOSTON
SCHOOLHOUSE DEPARTMENT

CHEMICAL LABORATORY

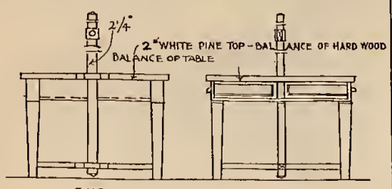


INSTRUCTORS TABLE

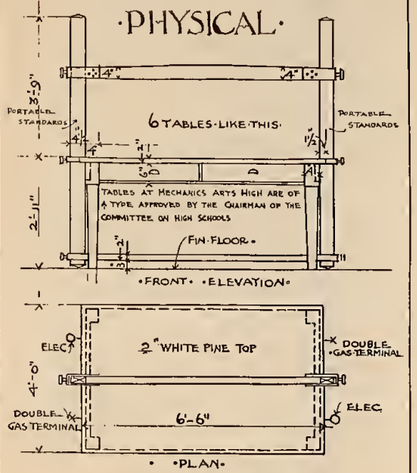
SIDE ELEVATION

IN CHEMICAL AND PHYSICAL LABORATORIES

PUPILS TABLE



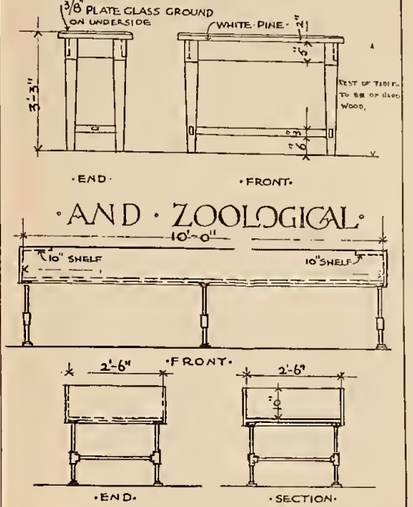
PHYSICAL



LABORATORY

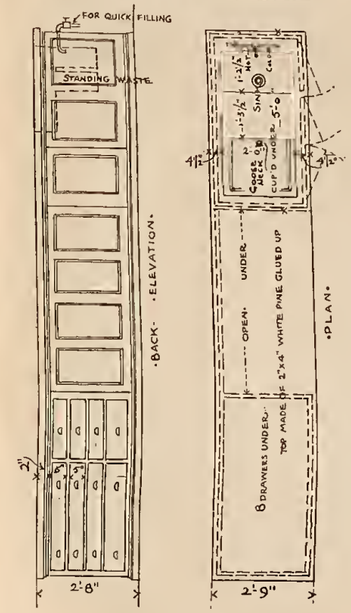
PUPILS TABLE AND MARBLE SINK

BOTANICAL AND ZOOLOGICAL



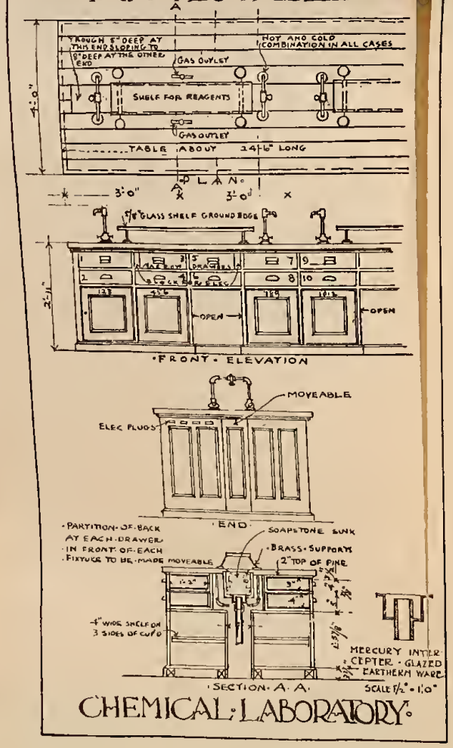
LABORATORY

DEMONSTRATION TABLE



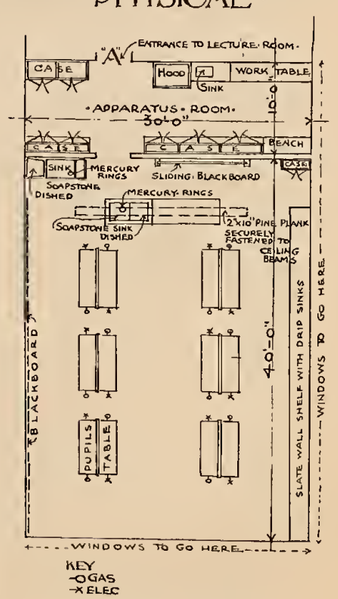
LECTURE ROOM

PUPILS TABLE



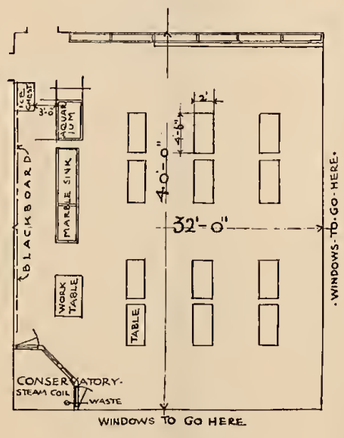
CHEMICAL LABORATORY

PHYSICAL



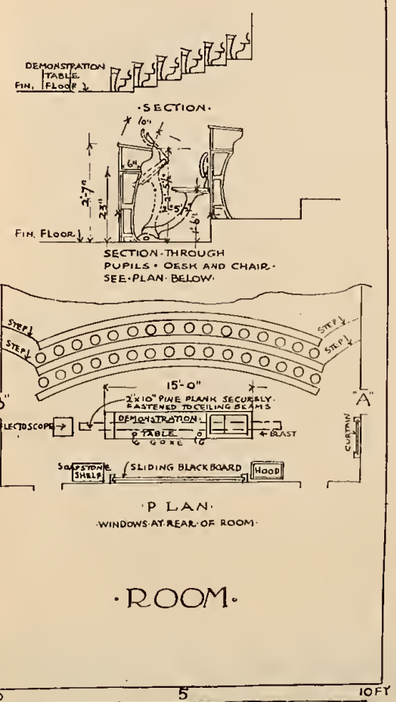
LABORATORY

BOTANICAL AND ZOOLOGICAL



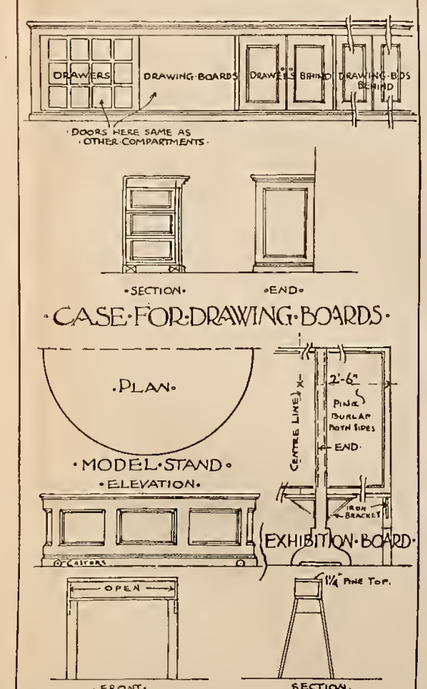
LABORATORY
SOUTH EXPOSURE

LECTURE



ROOM

DRAWING ROOM



DUPILS TABLE

0 5 10 15 20 25 30 FT
SCALE OF PLANS

0 5 10FT
SCALE OF DETAILS

H I C H

DESCRIPTIVE SCHEDULE OF PERMANENT SCHOOL BUILDINGS, FEBRUARY 1, 1917.

Date of Completion.	Name.	District.	Architect.	Description.	Location of Lot.	Area of Lot.	Cost of Lot.	Area of Building.	Cubical Contents of Building.	Cost of Building.	Cost per Cubic Foot.	Rated No. of Pupils.	Cost per Pupil.
1876	Aaron Davis, 12 Rooms P.	Dearborn	Charles A. Cummings	2d Class, 3 Stories	Yeoman st., Rox	18,200	$17,100 00	5,080		$44,872 02		600	$74 79
1893	Abby W. May, 6 " P.	Dillaway	E. M. Wheelwright	2d " 2 "	Thornton st., Rox	11,032	5,545 36	3,310	108,912	41,060 08	$0 21	300	136 87
1911	Abraham Lincoln, 40 " G.	Abraham Lincoln	A. W. Longfellow	1st " 4 "	Fayette st.	44,415	174,992 13	17,776	1,158,533	250,088 43	0 24	1,620	153 80
1880	Abram E. Cutter, 4 " P.	Prescott	George A. Clough	3d " 2 "	Medford st., Chas	12,112		2,568	101,288	12,972 44	0 13	200	64 86
1891	Adams-street, 2 Rooms P.	Gilbert Stuart		3d " 2 "	Adams st., Dor	44,555		1,570				100	
1893	Agassiz, 14 " G.	Agassiz	E. M. Wheelwright	2d " 3 "	Brewer st., J. P.	42,244		9,081	641,586	99,184 23	0 15	700	141 69
1895	Albert Palmer, 6 " P.	Dearborn	E. M. Wheelwright	2d " 3 "	Eustis st., Rox	16,165		4,721	212,818	45,500 00	0 21	300	151 67
1885	Amos Webster, 4 " P.	Elihu Greenwood	Fred A. Hall	3d " 2 "	Hilton st., H. P.	11,383	3,404 79	2,085	65,594	7,698 04	0 08	200	38 49
1886	Andrews[20], 15 Rooms P.	Quincy	E. M. Wheelwright	1st[20] " 3 "	Genesee st.	14,339	56,176 29	6,725	379,828	[11]114,966 93	0 30	714	161 02
1877	Asa Gray, 8 " P.	Hyde	George A. Clough	2d " 2 "	Weston st., Rox	14,973		3,960	211,904	38,068 08	0 18	400	95 17
1872	Atherton, 8 " P.	Christopher Gibson	Bryant & Rogers	2d " 2 "	Columbia rd., Dor	24,751	11,289 18	3,210		48,022 50		400	120 06
1856	Auburn, 4 " P.	Thomas Gardner		3d " 2 "	School st., Bri	12,340		1,498				200	
1849	Austin, 6 Rooms P.	Theodore Lyman	Gridley J. F. Bryant	2d " 3 "	Paris st., E. B.	4,849	2,082 00	1,933				300	
1880	Bailey-street, 4 " P.	Henry L. Pierce		3d " 2 "	Bailey st., Dor	33,828	11,979 75	3,170		30,255 51		200	151 28
1864	Baldwin, 6 " P.	Washington		2d " 3 "	Charlton st.	8,139	12,279 00	2,276		13,488 00		300	44 96
1882	B. F. Tweed, 6 " P.	Bunker Hill	E. M. Wheelwright	2d " 2 "	Cambridge st., Chas	16,727	14,240 20	4,030	161,770	39,991 05	0 22	300	133 30
1912	Benedict Fenwick, 12 Rooms P.	John Winthrop	James E. McLaughlin	2d " 2 "	Magnolia st., Dor	83,820	Trans. from St. Dept.	7,804	322,424	62,881 45	0 19	547	114 96
1897	Benjamin Cushing, 8 " P.	Mather	A. Warren Gould	2d " 2 "	Robinson st., Dor	25,032	$19,000 00	6,467	337,037	60,435 34	0 18	400	151 09
1890	Benjamin Dean, 8 " P.	Thomas N. Hart	William H. Besarick	2d " 2 "	H st., S. B.	11,477	Incl. in Thos. N. Hart Lot	5,503	230,451	42,987 28	0 18	400	107 47
1893	Benjamin Pope, 8 " P.	Gaston	C. J. Bateman	2d " 2 "	O st., S. B.	20,000	$6,000 00	5,370	238,536	45,507 87	0 19	400	113 77
1874	Bennett, 7 Rooms G.	Bennett	J. Foster Oliver	2d " 3 "	Chestnut Hill ave., Bri	27,631	12,824 50	5,900		74,516 84		350	212 91
1887	Bennett Branch, 6 " G.	Bennett	George A. Clough	2d " 2 "	Dighton st., Bri	9,693	4,848 70	3,908				300	
1901	Bigelow, 19 " G.	Bigelow	C. J. Bateman	2d " 3 "	West Fourth st., S. B.	20,781	43,488 21	13,265	838,315	179,360 68	0 21	950	188 79
1902	Blackinton[1], 18 " G.	John Cheverus	E. M. Wheelwright	2d " 2 "	Blackinton st., Orient Heights, E. B.	58,783		12,233	508,643	124,101 10	0 24	770	161 17
1913	Boston Trade School		H. H. Atwood	2d " 3 "	Common st.	11,191	21,260 00	3,934					
1892	Bowditch[4], 15 Rooms G.	Bowditch	E. M. Wheelwright	2d " 3 "	Green st., J. P.	23,853		9,389	518,228	104,379 61	0 17	750	139 44
1895	Bowdoin, 16 " G.	Bowdoin	E. M. Wheelwright	2d " 3 "	Myrtle st.	16,777	28,120 64	8,409	616,160	109,187 91	0 18	800	136 48
1893	Brighton High[13]			2d " 3 "	Cambridge st., Bri	83,221	40,837 95	10,686	1,027,831	222,769 41	0 22		
1866	Bunker Hill, 14 Rooms G.	Bunker Hill		2d " 4 "	Baldwin st., Chas	19,068		5,560				700	
1904	Butler[6], 1 Room.	Elihu Greenwood		3d " 1 Story	East River st., H. P.	3,060	[6]	715	19,729				
1864	Canterbury-street, 2 Rooms P.	Charles Sumner		3d " 2 Stories	Canterbury st., W. R.	29,121		1,840				100	
1871	Capen, 6 " P.	Thomas N. Hart	Cummings & Sears	2d " 3 "	Sixth st., S. B.	12,304	6,145 31	3,301		34,716 43		300	115 72
1901	Chapman, 17 Rooms G.	Chapman	Greenleaf & Cobb	2d " 3 "	Eutaw st., E. B.	29,150	22,400 00	12,121		[11]130,944 63	0 15	850	154 05
1911	Charles Bulfinch, 12 " P.	Comins	Charles Greco	2d " 2 "	Parker st. and Fisher ave., Rox	20,052	19,020 00	8,210	365,360	78,925 73	0 22	535	148 59
1891	Charles C. Perkins, 10 " P.	Prince	H. H. Atwood	2d " 2 "	St. Botolph st.	10,000	20,386 15	7,720	332,649	76,500 00	0 23	500	153 00
1847	Charles E. Daniels, 4 " P.	Warren		2d " 2 "	Mead st., Chas	5,847		1,755				200	
1877	Charles Sumner, 10 Rooms G.	Charles Sumner	G. A. Clough	2d " 3 "	Ashland st., Ros	30,000	6,000 00	6,142	457,632	50,232 35	0 11	500	100 50
1907	Charlestown High		Stickney & Austin	1st " 4 "	Monument sq., Chas	16,349	87,734 08	16,204	1,207,608	296,055 79	0 23	540	548 25
1872	Chestnut-avenue, 2 Rooms P.	Bowditch		3d " 2 "	Chestnut ave., J. P.	13,733		1,493				100	
1894	Choate Burnham, 9 " P.	Frederic W. Lincoln	E. M. Wheelwright	2d " 2 "	East Third st., S. B.	17,130	6,277 40	3,890		60,887 10	0 20	450	135 30
1901	Christopher Columbus, 24 Rooms P.	Eliot	Winslow & Bigelow	1st " 3 "	Tileston st.	12,838		11,427	727,068	173,512 08	0 24	1,110	156 32
1895	Christopher Gibson, 14 " G.	Christopher Gibson	E. M. Wheelwright	2d " 2 "	Bowdoin ave., Dor	39,620		14,208	784,987	111,029 53	0 14	700	158 61
1871	Clinch, 6 " P.	Shurtleff	Bryant & Rogers	2d " 3 "	F st., S. B.	13,432	4,500 00	2,970		33,628 00		300	112 10
1856	Comins, 13 " G.	Comins	Richards & Park	2d " 4 "	Tremont st., Rox	23,100		4,853				650	
1856	Commodore Barry, 13 Rooms G.	Samuel Adams	Joseph R. Richards	2d " 3 "	Belmont sq., E. B.	21,000	9,950 00	5,627				650	
1907	Common Building		Peabody & Stearns, Maginnis, Walsh & Sullivan, Coolidge & Carleton	1st " 2 "	Tremont Entrance to the Fenway, Rox.	Normal Lot.		9,009	561,229		0 23		
1901	Copley, 8 Rooms P.	Warren	James Mulcahy	2d " 2 "	Bartlett st., Chas	16,115	38,609 13	6,115		64,776 08	0 22	400	161 94
1829	Cottage-place, 4 " K.	Comins		3d " 2 "	Cottage pl., Rox	7,094		2,008				200	
1894	Cudworth, 11 " P.	Theodore Lyman	E. M. Wheelwright	2d " 2 "	Gove st., E. B.	25,002	20,714 14	8,360	416,416	[4]71,165 31	0 17	550	129 43
1857	Cushman, 16 " P.	Hancock	Gridley J. F. Bryant	2d " 4 "	Parmenter st.	Hancock Lot.		5,150		57,723 27		800	72 15
1868	Cyrus Alger, 8 Rooms P.	Norcross	George A. Clough	3d " 2 "	Seventh st., S. B.	16,500	7,036 00	5,600	244,460	48,872 93	0 20	400	122 18
1871	Damon, 8 Rooms G. and P.	Henry Grew	S. J. F. Thayer	3d " 2 "	Readville st., H. P.	40,640	1,977 92	5,360	252,227	20,012 23	0 08	400	50 03
1901	Dearborn[13], 21 Rooms G.	Dearborn	Edwin J. Lewis	1st " 3 "	Ambrose st., Rox	37,118		13,502	980,109	217,131 32	0 22	1,110	195 01
1882	Dillaway, 12 " G.	Dillaway	George A. Clough	2d " 3 "	Kenilworth st., Rox	22,823	34,239 16	6,630	609,168	78,974 16	0 13	600	131 62
1852	Dorchester-avenue, 4 Rooms P.	Mary Hemenway		3d " 2 "	Dorchester ave., Dor	34,400		2,650				200	
1901	Dorchester High[30]		Hartwell, Richardson & Driver	1st[16] " 3 "	Talbot ave., Dor	77,850		34,283	2,473,501	450,016 78	0 18		
1869	Drake, 6 Rooms P.	Lawrence	Bryant & Rogers	2d " 2 "	C st., S. B.	10,280	6,000 00	2,583		33,872 01		300	112 91
1874	Dudley, 14 " G.	Dudley	L. Weissbein	2d " 3 "	Dudley and Putnam sts., Rox	26,833	5,000 00	12,076		132,450 05		700	189 20
1857	Dwight, 14 Rooms G.	Dwight		2d " 4 "	West Springfield st.	19,125	22,635 00	5,581		47,339 95		700	67 63
1901	East Boston High		John Lyman Faxon	1st " 3 "	Marion st., E. B.	27,539	63,180 27	21,477	1,161,591	281,949 57	0 24		
1911	Edmund P. Tileston[26], 16 Rooms G.	Edmund P. Tileston	Charles K. Cummings	2d " 2 "	Norfolk st., Mat.	83,640	2,078 60	17,548	685,298	132,173 10	0 19	724	182 57
1909	Edward Everett, 14 " G.	Edward Everett	E. T. P. Graham	1st " 2 "	Pleasant st., Dor	62,842	21,029 30	10,690	516,679	107,315 43	0 21	614	175 17
1876	Eldridge Smith, 8 Rooms P.	Mary Hemenway	George Ropes, Jr.	2d " 3 "	Centre st., Dor	39,340		4,080				400	
1897	Elihu Greenwood, 9 Rooms G. and P.	Elihu Greenwood	[illegible]	3d " 3 "	Metropolitan ave., [illegible]	[illegible]		5,422	[illegible]	[illegible]	[illegible]	450	[illegible]
1838	Eliot, 14 Rooms G.	Eliot	Gridley J. F. Bryant	2d " 3 "	North Bennet st.	11,677		8,673				700	
1861	Elizabeth Peabody, 6 " P.	Wells		2d " 3 "	Poplar st.	5,928	7,000 00	2,155				300	
1912	Ellen H. Richards, 8 Rooms P.	Gilbert Stuart	William H. Besarick	2d " 1 Story	Beaumont st., Dor	31,033	4,807 01	7,642	229,358	44,589 76	0 19	366	121 83
1904	Ellis Mendell, 12 " P.	George Putnam	Andrews, Jaques & Rantoul	1st " 2 Stories	School st., W. R.	35,401	13,641 49	10,890	517,653	122,267 20	0 24	612	199 78
1865	Emerson, 15 " G.	Emerson		2d " 3 "	Prescott st., E. B.	30,022	8,000 00	5,010		101,385 76		800	126 98
1880	English High		George A. Clough	2d " 3 "	Montgomery st.	85,500	280,000 00	23,170		[2]327,518 40			
1868	Everett[8], 16 Rooms G.	Everett		3d " 4 "	West Northampton st.	32,400		11,245		72,626 39		800	97 63
1871	Fairmount, 9 Rooms G. and P.	Elihu Greenwood	S. J. F. Thayer	3d " 3 "	Williams ave., H. P.	44,330	2,438 15	5,454	327,608	25,545 14	0 08	450	56 76
1904	Farragut, 14 Rooms P.	Martin	Wheelwright & Haven	1st " 2 "	Fenwood rd., Rox	27,021	36,450 00	12,312	652,636	150,526 43	0 23	714	210 82
1914	Florence Nightingale, 10 " P.	Oliver Wendell Holmes	Joseph J. Driscoll	2d " 2 "	West Park st., Dor	59,777	13,646 56	6,636	272,301	60,395 14	0 22	391	154 39
1852	Florence-street, 6 Rooms P.	Charles Sumner		3d " 2 "	Florence st., Ros	23,030		3,658				300	
1859	Franklin, 14 " G.	Franklin	Joseph R. Richards	2d " 4 "	Waltham st.	16,439		5,490		40,845 07		700	58 35
1851	Frances E. Willard, 6 " P.	Dwight		2d " 3 "	Rutland st.	7,850		2,440				300	
1899	Francis Parkman[20], 14 " G.	Francis Parkman	Perkins & Betton	2d " 2 "	Walk Hill st., Forest Hills	40,290	9,000 00	11,102	486,537	121,930 08	0 25	700	174 18
1899	Frederic A. Whitney, 8 Rooms P.	Washington Allston	Wightman & Hood	2d " 2 "	Arlington st., Bri	19,701		7,658	271,530	47,880 49	0 18	400	119 70
1859	Frederic W. Lincoln, 13 " G.	Frederic W. Lincoln	Gridley J. F. Bryant	2d " 4 "	Broadway, S. B.	24,360		5,620		48,270 69		650	74 26
1868	Freeman, 6 " P.	Eliot	Bryant & Rogers	2d " 3 "	Charter st.	5,357	12,093 87	2,350		28,137 62		300	93 79
1874	Frothingham, 16 " G.	Frothingham	George A. Clough	2d " 3 "	Prospect st., Chas	22,620	44,158 00	9,283	464,660	78,936 39	0 17	800	98 70
1898	Frothingham Annex, 2 Rooms P.	Frothingham	Schoolhouse Agent Department	3d " 1 Story	Prospect st., Chas	Frothingham Lot.		2,173		2,995 94		100	29 96
1872	Gaston, 14 " G.	Gaston	George A. Clough	2d " 3 Stories	East Fifth st., S. B.	35,338	24,703 70	10,949		104,101 87		700	148 72
1870	George Bancroft, 12 " P.	Rice	Emerson & Fehmer	2d " 3 "	Appleton st., near Dartmouth	18,454	29,465 36	5,650				600	
1914	George Frisbie Hoar, 12 " P.	Norcross	H. L. Wardner	2d " 3 "	West Fifth st., near D st., S. B.	21,366	18,000 00	5,193	305,204	69,131 34	0 23	519	133 20
1859	George Putnam, 10 Rooms G.	George Putnam	George A. Clough	2d " 3 "	Columbus ave., near Egleston sq., Rox	31,794	13,192 87	7,220	350,112	66,749 85	0 19	500	133 50
1912	George T. Angell, 8 " P.	Sherwin	Schoolhouse Department	2d " 2 "	Harrison ave. and Hunneman st.	43,884	34,376 94	5,000	208,762	55,154 50	0 26	352	156 69
1853	Germantown[9], 4 " P.	Robert G. Shaw		3d " 2 "	Washington st., Germantown	22,034	3,200 00	2,448				188	
1890	Gilbert Stuart, 14 " G.	Gilbert Stuart	E. M. Wheelwright	2d " 3 "	Richmond st., Dor	31,167	13,048 00	9,300	603,036	114,059 58	0 19	700	162 94
1870	Girls' High[28]			2d " 4 "	West Newton st.	37,400	62,212 31	20,482		432,513 31			
1907	Girls' Latin		Peabody & Stearns, Maginnis, Walsh & Sullivan, Coolidge & Carleton	1st " 3 "	Tremont Entrance to the Fenway, Rox.	Normal Lot.		17,382	1,108,163	297,116 39	0 23	600	495 19
1880	Glenway, 2 Rooms P.	Oliver Wendell Holmes	George A. Clough	3d " 1 Story	Glenway st., Dor	Wm. E. Endicott Lot.		2,184		3,168 98		100	31 69
1898	Glenway Annex, 2 " P.	Oliver Wendell Holmes	Schoolhouse Agent Department	3d " 1 "	Glenway st., Dor	Wm. E. Endicott Lot.		2,173		2,933 87		100	29 34
1852	Grant, 4 " P.	Wendell Phillips		2d " 2 Stories	Phillips st.	3,744	4,677 50	2,021				200	
1847	Hancock, 14 " G.	Hancock	Charles Roath	2d " 4 "	Parmenter st.	38,112		6,126				700	
1900	Hancock Annex, 2 Rooms P.	Hancock	Schoolhouse Department	2d " 1 Story	Parmenter st.	Hancock Lot.		1,781		7,247 29		100	72 47
1883	Harbor View-street, 4 " P.	William E. Russell	C. J. Bateman	3d " 2 Stories	Harbor View st., Dor	27,898	20,000 00	2,825	123,443	15,032 04	0 12	200	75 16
1861	Harris, 9 " P.	Mary Hemenway		3d " 3 "	Adams st., Dor	37,150		5,885				450	
1871	Harvard, 16 " G.	Harvard		2d " 3 "	Devens st., Chas	16,396		8,632				800	
1848	Harvard, 4 Rooms P.	Thomas Gardner		2d " 2 "	North Harvard st., Bri	20,150		2,400				200	
1823	Hawes Hall[1], 8 " P.	Bigelow		2d " 2 "	Broadway, S. B.	17,390	2,123 22	4,608				400	
1857	Heath-street, 2 " P.	Jefferson		2d " 2 "	Heath st., Rox	10,089		1,105				100	
1895	Hemenway, 2 " P.	Henry Grew	Fred A. Hall	3d " 1 Story	Wolcott st., H. P.	12,025	[36]	2,294	61,723	8,398 58	0 13	100	83 98
1871	Henry Grew, 11 Rooms G. and P.	Henry Grew	S. J. F. Thayer	2d " 2 Stories	Gordon ave., H. P.	40,266	7,877 50	6,869	368,134	21,028 27	0 06	550	54 82
1891	Henry L. Pierce, 12 Rooms G.	Henry L. Pierce	H. H. Atwood	2d " 2 "	Washington st., Dor	64,639	13,208 40	14,630	768,323	118,094 03	0 15	600	196 82
1899	Henry Vane, 4 " P.	Robert G. Shaw	Benson & Hill	2d " 2 "	Baker st., W. R.	21,400	2,763 75	3,710	174,608	29,835 23	0 17	200	149 18
1915	High School of Commerce		C. Howard Walker, Kilham & Hopkins	1st " 3 "	Avenue Louis Pasteur, Rox	75,187	91,329 75	35,445	1,971,519	489,472 44	0 24	1,600	300 30
1913	High School of Practical Arts		J. A. Schweinfurth	1st " 4 "	Greenville st., Rox	41,371	43,577 75	21,037	1,222,960	280,850 67	0 23		
1914	High School of Practical Arts Annex			3d " 3 "	High School of Practical Arts Lot			1,944	72,684	6,082 50			
1835	Hillside, 6 Rooms P.	Bowditch		2d " 3 "	Elm st., J. P.	18,813		2,914				300	
1884	Hobart-street[13], 4 " P.	Bennett	A. H. Vinal	3d " 1 Story	Hobart st., Bri	33,573	7,343 63	5,155	60,810	17,530 23	0 10	200	60 56
1890	Horace Mann, S.		A. H. Vinal	2d " 3 Stories	Newbury st.	8,400	Leased free of rent	3,100		87,471 42	0 42		
1892	Howard-avenue, 6 Rooms P.	John Winthrop	George A. Clough	2d " 2 "	Howard ave., Dor	29,090	$13,049 05	4,244		40,997 17	0 20	300	136 66
1906	Howard-avenue Annex, 2 " P.	John Winthrop	Schoolhouse Agent Department	3d " 1 Story	Howard ave., Dor	Howard Ave. Lot.				2,914 23		100	29 14
1897	Hugh O'Brien, 14 " G.	Hugh O'Brien	A. H. Vinal	2d " 3 Stories	Dudley and Langdon sts., Rox	40,854		12,270	738,376	127,848 37	0 16	700	182 50
1896	Hugh O'Brien Annex, 2 Rooms P.	Hugh O'Brien	Public Buildings Department	3d " 1 Story	Dudley st., Rox	Hugh O'Brien Lot.	3,600 00	1,520		2,437 64		100	24 38
1873	Hull, 8 " P.	Phillips Brooks	George A. Clough	3d " 2 Stories	Quincy st., Rox	23,453	9,383 50	5,900	232,400	45,474 58	0 18	400	113 70
1884	Hyde, 14 " G.	Hyde	A. H. Vinal	2d " 3 "	Hammond st.	20,754	27,091 50	9,315	558,144	121,061 81	0 22	700	173 80
1902	Hyde Park High		Loring & Phipps	2d " 2 "	Everett st., H. P.	[34]73,180	[34]	10,048	717,302	76,409 00	0 18		
1901	Ira Allen, 6 Rooms P.	Sherwin	Wilson & Webber	2d " 2 "	Parker st., Rox	20,151		6,259	303,478	54,084 45	0 18	300	180 28
1909	Jacob Fuss, 2 " P.	Frothingham	Schoolhouse Agent Department	3d " 1 Story	Adams and Chestnut sts., Chas	20,200	30,885 78	2,054		3,315 00		100	33 15
1911	James A. McDonald, 2 " G.	Prescott	Brainerd & Leeds	2d " 2 Stories	Polk st., Chas	7,200	7,500 00	3,263	219,731	65,549 03	0 30	80	810 86
1903	James Otis[12], 12 " P.	Ulysses S. Grant	Winslow & Bigelow	1st " 2 "	Paris and Marion sts., E. B.	26,000	31,172 73	8,923	411,043	107,818 00	0 26	612	174 34
1904	Jefferson, 19 Rooms G.	Jefferson	Shepley, Rutan & Coolidge	1st " 3 "	Heath st., Rox	38,215	22,940 33	12,292	856,777	210,890 49	0 24	1,038	203 17
1876	John A. Andrew, 16 " G.	John A. Andrew	George A. Clough	2d " 3 "	Dorchester st., S. B.	24,675	34,225 00	9,755	562,764	68,177 18	0 12	800	85 22
1901	John Boyle O'Reilly, 14 " P.	John A. Andrew	Andrews, Jaques & Rantoul	1st " 3 "	Dorchester st., S. B.	21,947		7,112	450,218	112,839 00	0 25	672	167 91
1900	John Cheverus, 16 " G.	John Cheverus	Brainerd & Leeds	1st " 2 "	Moore st., E. B.	53,086	29,290 40	13,773	833,474	102,076 25	0 19	704	145 09
1913	John D. Philbrick[20], 8 Rooms P.	Charles Sumner	Charles J. Bateman	2d " 2 "	Fobes st., W. R.	33,950	19,015 19	6,473	305,259	59,663 73	0 19	333	179 17
1905	John Greenleaf Whittier, 10 " P.	Henry L. Pierce	Parker & Thomas	1st " 2 "	Southern ave., Dor	34,374	9,029 50	7,063	322,651	74,736 15	0 23	479	156 03
1913	John J. Williams, 12 " P.	Franklin	Andrews, Jaques & Rantoul	2d " 3 "	Groton st.	20,799		5,043	305,283	69,138 44	0 23	496	139 67
1911	John Lothrop Motley, 4 " P.	Edward Everett	Schoolhouse Department	2d " 2 "	Savin Hill ave., Dor	68,450	17,500 00	2,260	99,443	22,518 35	0 23	172	130 97
1911	John Winthrop, 16 Rooms G.	John Winthrop	Maginnis & Walsh	2d " 2 "	Brookford and Dacia sts., Rox	30,355	12,657 70	14,583	661,867	110,073 34	0 16	724	152 06
1865	Joseph Tuckerman, 10 " P.	Gaston	Charles K. Cummings	1st " 2 "	Fourth and L sts., S. B.	21,594		7,452	338,171	77,423 23	0 23	480	161 30
1884	Joshua Bates, 8 " P.	Dwight	A. H. Vinal	2d " 2 "	Harrison ave.	19,977		5,410	219,909	48,535 75	0 22	400	121 04
1865	Julia Ward Howe, 12 " G.	Lewis	Allen Frank	2d " 4 "	Dale st., Rox	27,850	4,174 35	8,504		64,784 71		600	107 98
1901	Julia Ward Howe Annex, 1 Room M.	Lewis	Schoolhouse Department	3d " 1 Story	Dale st., Rox	Julia Ward Howe Lot.		1,228				50	
1911	Lafayette, 9 Rooms P.	Hyde	Schoolhouse Department	2d " 2 Stories	Ruggles st., Rox	27,516	13,000 00	5,774	220,209	63,134 24	0 29	352	179 36
1856	Lawrence, 13 " G.	Lawrence		2d " 4 "	B st., S. B.	14,343	11,094 50	5,476		42,334 40		650	65 13
1912	Lewis, 17 " G.	Lewis	H. H. Atwood	2d " 2 "	Paulding st., Rox	41,233	20,288 00	15,100	642,176	108,090 29	0 17	775	139 90
1863	Little Emily[1], 1 Room P.	Mary Hemenway	Schoolhouse Agent Department	3d " 1 Story	Adams st., Dor	Harris Lot.		958				50	
1907	Longfellow[19], 18 Rooms G.	Longfellow	Walker & Kimball	2d " 3 Stories	Hewlett and South sts., Ros	29,910	22,033 10	13,539	664,653	128,436 51	0 19	858	149 60
1845	Louisa May Alcott, 11 " P.	Everett		2d " 3 "	West Concord st., near Newland st.	10,756		4,584				550	
1846	Louis Prang, 6 " P.	Dillaway		2d " 3 "	Bartlett st., Rox	13,570		2,280				300	
1874	Lowell, 14 Rooms G.	Lowell		2d " 3 "	310 Centre st., J. P.	35,241	20,750 00	10,020				700	
1895	Lowell Annex, 2 " G.	Lowell	Schoolhouse Agent Department	3d " 1 Story	Mozart st., J. P.	Lowell Lot.		1,960				100	
1894	Lucretia Crocker, 8 " P.	Lowell	A. H. Vinal	2d " 2 Stories	Parker st., J. P.	30,000		5,405	229,624	53,060 22	0 23	400	132 65
1892	Lyceum Hall, 7 " G.	Mather	E. M. Wheelwright	3d " 2 "	Meeting House Hill, Dor	21,319	10,550 67	5,118		20,911 63		350	59 76
1892	Margaret Fuller, 8 Rooms P.	Bowditch	E. M. Wheelwright	2d " 2 "	Glen rd., J. P.	14,252	8,526 70	4,490	182,794	39,933 54	0 22	300	133 11
1903	Marshall[3], 20 " P.	Oliver Wendell Holmes	Maginnis, Walsh & Sullivan	1st[32] " 2 "	Westville st., Dor	48,594	12,807 75	24,143	794,758	182,543 39	0 23	919	187 98
1913	Martha Baker, 4 " P.	Edmund P. Tileston	William H. McGinty	2d " 1 Story	Walk Hill st., Dor	29,731	4,737 90	4,235	127,650	24,557 91	0 19	160	153 49
1885	Martin, 14 " G.	Martin	A. H. Vinal	2d " 3 Stories	Huntington ave., Rox	29,307	21,234 29	8,908	501,760	105,551 53	0 21	700	150 79
1897	Mary Hemenway, 12 Rooms G.	Mary Hemenway	T. M. Clark	2d " 3 "	Adams st., Dor	30,000	9,000 00	6,915	640,100	122,191 31	0 19	600	203 65
1907	Mary L. Brock, 2 " P.	Bennett	Lewis H. Bacon	3d " 1 Story	Chestnut Hill ave., Bri	25,000	13,750 00	3,340	117,108	19,986 75	0 17	100	199 90
1914	Mary Lyon, 6 " G.	Bennett	Richardson, Barott & Richardson	2d " 1 "	Parsons and Hester sts., Bri	49,000	7,500 00	6,646	189,420	37,349 82	0 20	224	166 73
1905	Mather, 30 " G.	Mather	Cram, Goodhue & Ferguson	1st " 3 Stories	Meeting House Hill, Dor	123,050		20,221	1,353,831	280,332 99	0 21	1,636	175 36
1903	Mayflower[1], 1 Room P.	William E. Russell	Schoolhouse Agent Department	3d " 1 Story	Harbor View st., Dor	Harbor View St. Lot.		964		2,328 50			
1907	Mayhew, 14 Rooms P.	Wells	John Lyman Faxon	2d " 3 Stories	Chambers st.	14,128	135,958 43	7,020	517,554	107,197 89	0 21	700	153 14
1909	Mechanic Arts High[24]		E. M. Wheelwright	2d[17] " 3 "	Belvidere st.	37,300	148,680 10	14,500		[24]646,043 01			
1857	Minot, 7 Rooms G.	Minot	A. H. Vinal	3d " 3 "	Neponset ave., Neponset	31,500	8,000 65	5,015	277,290	63,857 05	0 23	350	182 45
1913	Mozart, 4 Rooms P.	Longfellow	Guy & Proctor	2d " 2 "	Beech st., W. R.	29,032	5,980 40	2,028	108,542	22,391 00	0 21	148	154 07
1847	Mt. Pleasant-avenue, 2 " P.	Dearborn		3d " 2 "	Mt. Pleasant ave., Rox	9,510		1,039				100	
1862	Mt. Vernon-street, 3 " P.	Robert G. Shaw		3d " 2 "	Mt. Vernon st., W. R.	81,470		2,620				150	
1874	Miles Standish, 8 " P.	Dudley	George A. Clough	2d " 3 "	Roxbury and King sts., Rox	14,147	28,500 00	5,810	186,816	42,949 08	0 23	400	107 37
1847	Nahum Chapin, 6 Rooms P.	Harvard		2d " 3 "	Common st., Chas	7,031	7,000 40	1,879				300	
1909	Nathan Hale, 12 " P.	Dudley	Parker, Thomas & Rice	1st " 3 "	Cedar st., Rox	43,821	17,370 00	7,392	333,379	67,231 82	0 20	480	140 06
1909	Nathaniel Hawthorne, 9 " P.	John Winthrop	William H. McGinty	1st " 3 "	Harlow st., Dor	Howard Ave. Lot.		4,621	281,505	67,912 07	0 24	447	151 93
1874	Noble, 8 " P.	Emerson	George Ropes, Jr.	2d " 2 "	Princeton st., E. B.	17,300	5,047 00	4,900		48,598 00		400	121 50
1898	Noble Annex, 2 Rooms P.	Emerson	Schoolhouse Agent Department	3d " 1 Story	Princeton st., E. B.	Noble Lot.		2,400		2,999 77		100	30 00
1898	Norcross, 14 " G.	Norcross	George Ropes, Jr.	2d " 4 Stories	D st., S. B.	12,075	5,269 86	6,922		72,717 29		700	103 31
1907	Normal		Peabody & Stearns, Maginnis, Walsh & Sullivan, Coolidge & Carleton	1st " 3 "	Huntington ave., Rox	141,070	241,299 77	18,541	1,112,234	329,237 08	0 23	350	940 65
1894	Oak-square, 2 Rooms P.	Bennett	E. M. Wheelwright	3d " 1 Story	Nonantum st., Bri	17,066	6,015 49	3,003		20,030 00	0 19	100	200 30
1849	Old Agassiz, 6 " P.	Agassiz		3d " 3 Stories	Burroughs st., J. P.	Agassiz Lot.		3,250				300	
1855	Old Baker-street, 1 Room P.	Robert G. Shaw		3d " 1 Story	Baker st., W. R.	19,494		1,000				50	
1832	Old Dearborn, 14 Rooms G.	Dearborn		2d " 4 Stories	Dearborn pl., Rox	Dearborn Lot.		7,181				700	
1855	Old Edward Everett, 6 Rooms P.	Edward Everett		3d " 2 "	Sumner st., Dor	Richard C. Humphreys Lot.		3,772				300	
1857	Old Gibson, 7 " P.	Oliver Wendell Holmes		3d " 2 "	Athelwold st., Dor	O. W. Holmes Lot.		3,047				350	
1872	Old Mather, 10 " P.	Mather	Emerson & Fehmer	2d " 3 "	Meeting House Hill, Dor	Mather Lot.		6,125		63,458 45		500	126 92
1848	Old Parkman[22]			2d " 3 "	Silver st., S. B.	5,300	4,150 00	2,080					
1904	Oliver Hazard Perry, 14 Rooms G.	Oliver Hazard Perry	Clough & Wardner	1st " 3 "	East Seventh st., S. B.	45,000	12,710 00	9,743	612,351	146,145 63	0 24	770	189 80
1810	Oliver Holden, 5 " P.	Warren		3d " 2 "	Pearl st., Chas	10,723	[1]12,132 00	1,743				200	
1905	Oliver Wendell Holmes, 24 " G.	Oliver Wendell Holmes	A. W. Longfellow	1st " 3 "	School st., Dor	56,348		10,161	901,560	195,643 92	0 20	1,224	159 84
1842	Parkman, 12 Rooms P.	Lawrence		2d " 3 "	Broadway, S. B.	10,110	5,093 60	3,670				600	
1907	Patrick A. Collins[18], 17 "		Peabody & Stearns, Maginnis, Walsh & Sullivan, Coolidge & Carleton	1st " 3 "	Worthington st., Rox	Normal Lot.		13,048	725,501	170,683 79	0 23	884	193 42
1904	Paul Jones[27], 11 Rooms P.	John Cheverus	Wightman & Hood	1st " 2 "	Horace st., E. B.	17,560	12,950 00	10,234	510,380	114,370 33	0 22	643	177 87
1898	Paul Revere, 18 " P.	Hancock	Peabody & Stearns	1st " 3 "	Prince st.	18,980	206,333 22	11,372	707,174	157,283 28	0 22	900	174 76
1910	Peter Faneuil, 17 " P.	Wendell Phillips	Kelley & Graves	1st " 3 "	Joy st.	20,608	108,087 32	7,806	431,880	108,079 50	0 25	760	142 21
1914	Philip H. Sheridan, 12 " P.	Emerson	T. Edward Sheehan	2d " 2 "	Prescott st., E. B.	28,525	23,329 93	8,110	338,832	74,211 04	0 22	495	149 92
1900	Phillips Brooks, 15 Rooms G.	Phillips Brooks	A. Warren Gould	2d " 3 "	Quincy and Perth sts., Dor	38,026	16,850 29	10,394	722,202	114,656 17	0 16	750	152 87
1896	Phineas Bates, 4 " P.	Longfellow	G. A. Avery	3d " 2 "	Beech st., Ros	37,560	3,500 00	3,282	160,726	28,875 32	0 18	200	144 38
1850	Pierpont, 4 " P.	Quincy	Gridley J. F. Bryant	2d " 2 "	Hudson st.	4,240		3,140				100	
1891	Plummer, 16 " P.	Samuel Adams	H. H. Atwood	2d " 2 "	Belmont st., E. B.	35,073	29,318 37	8,604	391,440	[15]89,219 52	0 23	800	111 50
1870	Polk-street, 6 Rooms P.	Prescott	George A. Clough	2d " 2 "	Polk st., Chas	12,143		4,231	203,052	28,712 92	0 14	300	95 71
1855	Pormort, 6 " P.	Eliot	Nathaniel J. Bradlee	2d " 4 "	Snelling pl.	4,332	3,014 83	2,110		13,540 80		300	45 14
1857	Prescott, 10 " G.	Prescott		2d " 3 "	Elm st., Chas	20,237		5,086				500	
1890	Prescott Annex, 1 Room M.	Prescott	Schoolhouse Agent Department	3d " 1 Story	Elm st., Chas	Prescott Lot.		1,245				50	
1875	Prince[8], 16 Rooms G.	Prince	George A. Clough	2d " 3 Stories	Newbury st.	22,960	50,980 00	10,030	616,540	132,716 04	0 21	775	171 03
1880	Public Latin[12]		George A. Clough	2d " 3 "	Warren ave.	English High Lot.		32,677		[6]			
1847	Quincy[25], 14 Rooms G.	Quincy		2d " 4 "	Tyler st.	10,950		8,280				700	
1915	Quincy E. Dickerman, 16 " P.	Phillips Brooks	J. A. Schweinfurth	2d " 2 "	Magnolia st., Dor	44,110	9,771 38	9,171	394,374	88,428 79	0 22	677	130 06
1882	Quincy-street, 2 Rooms P.	Mather	George A. Clough	3d " 1 Story	Quincy st., Dor	15,453	7,000 00	2,620	49,728	4,971 75	0 10	100	49 72
1869	Rice, 14 " G.	Rice	Emerson & Fehmer	2d " 3 Stories	Dartmouth st.	27,125		16,080				700	
1870	Richard C. Humphreys, 10 " P.	Edward Everett	George A. Clough	2d " 3 "	Sumner st., Dor	33,050	Trans. from Dor.	6,089	356,160	42,984 98	0 12	500	85 97
1892	Robert G. Shaw, 8 " G.	Robert G. Shaw	E. M. Wheelwright	2d " 2 "	Hastings st., W. R.	49,960	$10,100 80	7,025	318,640	58,246 50	0 18	400	145 62
1875	Robert Swan[13], 8 Rooms P.	Roger Wolcott	George A. Clough	3d " 2 "	Thetford ave. and Evans st., Dor	23,800	6,000 00	6,150	112,672	37,968 00		400	94 92
1896	Roger Clap, 10 " P.	William E. Russell	William H. Besarick	2d " 3 "	Harvest st., Dor	21,548	9,477 50	7,430	485,050	67,188 70	0 14	500	134 38
1901	Roger Wolcott, 15 " G.	Roger Wolcott	Everett & Mead	2d " 3 "	Morton and Norfolk sts., Mat.	39,703	13,500 00	10,883	741,174	137,481 80	0 18	750	183 31
1891	Roxbury High[29]		A. H. Vinal	2d " 3 "	Warren st., Rox	34,670	46,097 68	25,491	1,587,221	384,804 80	0 24		
1910	Samuel Adams[44], 22 Rooms G.	Samuel Adams	Brigham, Coveney & Bisbee	1st " 3 "	Webster st., E. B.	40,690	39,407 50	12,258	608,195	143,812 91	0 23	938	153 38
1890	Samuel Dexter[7], 8 " P.	Harvard		2d " 3 "	Harvard st., Chas	6,685		3,500				400	
1874	Samuel G. Howe, 8 " P.	Norcross	George A. Clough	2d " 2 "	Fifth st., S. B.	12,448	21,885 75	6,220	224,280	42,598 84	0 19	400	106 50
1903	Samuel W. Mason[14], 14 " P.	Hugh O'Brien	John A. Fox	1st " 3 "	Norfolk ave., Rox	50,001	17,638 21	6,787	438,223	118,324 04	0 27	644	183 73
1905	Sarah J. Baker[38], 24 Rooms P.	Lewis	Schweinfurth & Craig	1st " 3 "	Perrin st., Rox	34,489	29,150 47	11,213	702,380	161,104 29	0 23	1,152	139 92
1884	Savin Hill[11], 4 " P.	Edward Everett	A. H. Vinal	3d " 2 "	Savin Hill ave., Dor	20,000	6,018 00	2,050	98,912	12,753 29	0 13	200	63 77
1824	School-street, 2 " P.	George Putnam		3d " 1 Story	School st., W. R.	20,290	Geo. Putnam Lot.	2,145				100	
1824	Sharp, 9 " P.	Bowdoin		2d " 3 Stories	Anderson st.	5,007		3,109				450	
1870	Sherwin, 16 Rooms G.	Sherwin	Emerson & Fehmer	2d " 3 "	Madison sq., Rox	32,000	$22,425 00	10,550		103,905 53		800	129 88
1869	Shurtleff, 14 " G.	Shurtleff	Bryant & Rogers	2d " 3 "	Dorchester st., S. B.	40,568		9,987				700	
1840	Simonds, 3 " P.	Bigelow		2d " 3 "	Broadway, S. B.	Hawes Hill Lot.		854				150	
1870	Skinner, 6 " P.	Abraham Lincoln	Nathaniel J. Bradlee	2d " 3 "	Fayette st.	5,328		2,540		26,441 97		300	88 14
1849	Smith-street, 2 Rooms K.	Comins		3d " 2 "	Smith st., Rox	6,062		1,037				100	
1824	Somerset-street, 6 " P.	Wendell Phillips		3d " 3 "	Somerset, corner Allston st.	6,390	22,000 00	2,004				300	
1901	South Boston High		Herbert D. Hale	1st " 3 "	Thomas pk., S. B.	124,371	22,393 86	25,467	1,528,643	343,719 76	0 22		
1895	Stephen M. Weld, 6 Rooms P.	Charles Sumner	E. M. Wheelwright	2d " 2 "	Seymour st., Ros	34,296	3,785 64	4,793	212,015	47,418 62	0 22	300	158 06
1856	Stoughton, 8 Rooms P.	Gilbert Stuart		3d " 2 "	River st., Dor	29,715	1,477 77	4,524				400	
1873	Tappan, 8 " P.	Chapman	George Ropes, Jr.	2d " 2 "	Lexington st., E. B.	11,340	5,500 00	4,933		48,598 00		400	121 50
1870	Theodore Lyman, 15 " G.	Theodore Lyman	Bryant & Rogers	2d " 3 "	Paris and Gove sts., E. B.	20,240	13,300 00	9,820		114,372 60		750	152 50
1867	Thomas Dwight, 8 " P.	Comins		2d " 2 "	Phillips st., Rox	20,345		4,938				400	
1905	Thomas Gardner, 14 Rooms G.	Thomas Gardner	Stickney & Austin	1st " 3 "	Athol and Brentwood sts., Bri	60,418		14,957	735,573	140,207 57	0 19	770	182 17
1873	Thomas Gardner Annex, 2 " P.	Thomas Gardner	Gridley J. F. Bryant	3d " 2 "	Athol st., Bri	Thomas Gardner Lot.		1,387				100	
1880	Thomas N. Hart, 13 " G.	Thomas N. Hart	A. H. Vinal	2d " 3 "	East Fifth st., S. B.	20,244	30,000 00	9,715	569,520	130,999 61	0 23	650	201 54
1848	Thomas Starr King, 8 " P.	Bunker Hill		2d " 2 "	Bunker Hill st., Chas	Bunker Hill Lot.		2,938				400	
1847	Thornton-street, 2 Rooms P.	Dillaway		3d " 2 "	Thornton st., Rox	6,049		1,023				100	
1910	Trade School for Girls			2d " 3 "	620 Massachusetts ave.	11,390	[1]35,000 00						
1901	Tremont, 8 Rooms G. and P.	Elihu Greenwood	Ostis M. Higgins	3d " 2 "	Tileston ave., H. P.	51,243		5,787	259,537	[37]39,150 00	0 15	400	95 37
1855	Tyler-street, 6 Rooms P.	Abraham Lincoln		2d " 3 "	Tyler st.	7,315	22,471 25	2,310				300	50 83
1912	Ulysses S. Grant, 16 Rooms G.	Ulysses S. Grant	E. T. P. Graham	2d " 3 "	Paris st., E. B.	43,913	44,567 75	11,802	592,171	116,509 09	0 19	822	141 74
1869	Wait, 8 " P.	Franklin	Gridley J. F. Bryant	2d " 2 "	Shawmut ave.	16,341		4,100				400	
1850	Walnut-street, 7 " P.	Minot		3d " 2 "	Walnut st., Neponset	22,710		3,653				350	
1867	Warren, 14 " G.	Warren		2d " 4 "	Summer st., Chas	14,352		5,694				700	
1904	Washington, 30 Rooms G.	Washington	Everett & Mead	1st " 4 "	Norman st.	24,409	196,568 50	17,937	1,300,792	325,541 69	0 25	1,500	208 68
1879	Washington Allston, 10 " G.	Washington Allston	George A. Clough	2d " 2 "	Cambridge st., Bri	22,000	6,068 12	8,320	340,752	47,923 71	0 14	500	95 85
1889	Washington Allston Annex, 6 " G.	Washington Allston		3d " 2 "	Cambridge st., Bri	11,477	[1]24,000 00	8,370				[16]264	
1870	Washington-street, 2 " P.	Francis Parkman		3d " 2 "	Washington st., Forest Hills	24,919		1,492				100	
1850	Way-street, 3 Rooms P.	Quincy	Gridley J. F. Bryant	2d " 3 "	Way st., near Harrison ave.	2,508		1,420				150	
1895	Weld, 2 " P.	Elihu Greenwood	Fred A. Hall	3d " 1 Story	Highland st., H. P.	22,000		2,062	94,984	4,548 58	0 05	100	45 48
1865	Wells, 12 " G.	Wells	Richards & Park	2d " 4 Stories	Blossom st.	10,770	8,408 50	6,010				600	
1862	Wendell Phillips, 14 " G.	Wendell Phillips	Nathaniel J. Bradlee	2d " 4 "	Phillips st.	13,871	58,840 00	5,520				700	
1897	West Roxbury High[47]			1st " 3 "	Elm st., J. P.	47,301		16,170	1,016,932				
1897	William Bacon, 10 Rooms P.	Dudley	James Mulcahy	2d " 2 "	Vernon st., Rox	23,072		9,103	500,709	80,288 40	0 16	500	160 58
1910	William Blackstone, 24 " G.	Wells	Harrison H. Atwood	1st " 4 "	Blossom st.	33,219	175,500 00	11,750	720,848	170,482 84	0 24	1,056	161 44
1912	William Bradford, 8 " P.	Roger Wolcott	John Lavalle	2d " 1 Story	Willowwood st., Dor	41,032	6,155 80	8,230	231,002	42,714 04	0 17	372	114 82
1895	William Brewster, 4 Rooms P.	Roger Wolcott	E. M. Wheelwright	3d " 2 Stories	Morton st., Mat.	34,893	Exchange with St. Dept.	3,012		26,100 45	0 18	200	130 50
1898	William Brewster Annex, 2 " P.	Roger Wolcott	Schoolhouse Agent Department	3d " 1 Story	Morton st., Mat.	William Brewster Lot.		2,173		3,099 97		100	31 00
1861	William Cullen Bryant, 8 " P.	Dillaway		2d " 4 Stories	Kenilworth st., Rox	6,990		3,409				400	
1906	William E. Endicott, 10 " P.	Oliver Wendell Holmes	James E. McLaughlin	1st " 2 "	McLellan st., Dor	58,867	$3,674 05	7,083	348,880	79,657 77	0 23	476	169 09
1903	William E. Russell, 19 Rooms G.	William E. Russell	James Mulcahy	1st[32] " 2 "	Columbia rd., Dor	50,879	29,250 00	15,473	894,941	188,521 58	0 21	976	192 14
1851	William Eustis, 6 " P.	Hugh O'Brien		2d " 3 "	George st., Rox	15,894		3,048				300	
1895	William H. Kent, 8 " P.	Frothingham	E. M. Wheelwright	2d " 2 "	Moulton st., Chas	15,817		4,800		[21]53,445 42	0 23	300	178 08
1910	William Lloyd Garrison, 10 " P.	George Putnam	Newhall & Blevins	1st " 2 "	Hutchings st., Rox	45,000	15,750 00	6,015	275,648	66,151 48	0 24	460	143 81
1892	William Wirt Warren, 8 Rooms P.	Thomas Gardner	E. M. Wheelwright	3d " 2 "	Waverly st., No. Bri	27,137	6,200 00	6,050	154,794	39,053 09	0 19	400	97 63
1892	Williams, 4 " P.	George Putnam	E. M. Wheelwright	2d " 2 "	Homestead st., Rox	20,145	7,058 88	3,500	521,592	40,242 46	0 20	200	201 21
1883	Winchell[8], 18 " P.	Wells	A. H. Vinal	2d " 3 "	Blossom st.	15,337	18,908 60	9,220	523,578	115,009 24	0 22	900	127 95
1901	Winship, 12 " P.	Bennett	Whitman & Hood	2d " 2 "	Dighton st., Bri	34,368		10,473		116,790 29	0 23	600	194 65
1857	Winthrop-street, 4 Rooms P.	Dearborn	Richards & Park	2d " 2 "	Winthrop st., Rox	9,775		2,140				200	
1900	W. L. P. Boardman, 8 " P.	Lewis	James Mulcahy	2d " 2 "	Munroe st., Rox	17,639		5,881	270,075	53,457 60	0 20	400	133 64
1892	Wyman[49], 9 " P.	Lowell	E. M. Wheelwright	2d " 2 "	Wyman st., J. P.	30,414	10,083 51	5,071	230,169	57,003 71	0 24	389	146 54

NOTES.

G.— Elementary, higher grades. P.— Elementary, lower grades. K.— Kindergarten. M.— Manual Training. S.— Special.

The cost of buildings does not include the architect's commission.

The cost of the buildings erected between 1875 and 1894 taken from City Architect's Report, 1894.

In nearly all of these buildings there were additional charges for carpentry and painting, covering items now included in the contract for building, such as bookcases, fittings of cookery and manual training rooms, telephones, electric fixtures, the painting and tinting of walls, etc.

Previous to 1909 in counting rooms only class-rooms are taken, and pupils are averaged at fifty to a room; since 1909, rated number of pupils and cost per pupil are figured by actual seating capacity of building according to size of class-rooms.

1 The cost of this building includes cost of repairing adjoining property.
2 This cost includes cost of building.
3 Nine-room addition, 1910, Schoolhouse Department, Architects, $65,673.99.
4 Addition built in 1890, Public Buildings Department, Architects.
5 Grading, 1897, 1898, 1899, $6,772.09.
6 This cost includes cost of Public Latin.
7 Remodelled in 1872.
8 Remodelled in 1889, Charles A. Cummings, Architect.
9 Cookery School.
10 Cost of work benches and other equipment not included.
11 Two-room addition built, 1907, $11,744.24 — $241.25 for grading.
12 Cost of land and building included in cost of English High.
13 Includes three kindergarten rooms. Five class-rooms, manual training room and assembly hall added, 1913, Maginnis & Walsh, Architects.
14 Addition built, 1902, Wales & Holt, Architects.
15 Addition built in 1893, E. M. Wheelwright, Architect.
16 Each room accommodates forty-four pupils.
17 This cost includes $7,485.43 expended as an extra on increased depth of foundation necessitated by the condition of the site.
18 Piles driven to support foundation.
19 Three rooms, assembly hall and gymnasium added, 1913, James E. McLaughlin, Architect.
20 Four-room addition built in 1904 and six-room addition built in 1908, C. B. Perkins, Architect.
21 Addition built in 1898, Andrews, Jacques & Rantoul, Architects.
22 Used as storehouse.
23 Six-room addition built, 1907, $47,914.19, Schoolhouse Department, Architects.
24 Alterations made in original school, 1908, $22,973.40, Wheelwright & Haven, Architects. Addition, containing thirty-three rooms and assembly hall, built in 1908, $433,256.95, Wheelwright & Haven, Architects.
25 Three rooms added in 1904 and three rooms in 1908.
26 Eighteen-room addition, 1910, Hartwell, Richardson & Driver, Architects.
27 Mill construction.
28 Occupied by branch of English High School.
29 Eight-room addition, 1909, C. Howard Walker, Architect.
30 One-half used as branch of Dorchester High School.
31 Two-room addition built in 1912, Schoolhouse Department, Architects, $15,353.22.
32 First-class construction except roof.
33 Eight rooms and gymnasium addition, 1910, eleven rooms, 1911, Coolidge & Carleton, Architects.
34 Land donated to town of Hyde Park by Mr. Elihu Greenwood.
35 Land donated to town of Hyde Park by Mr. Lemuel Green.
36 Land donated to town of Hyde Park by Mrs. Hemenway.
37 Four-room addition added, 1911, Ostis M. Higgins, Architect.
38 Thirteen rooms and study hall addition built, 1912, James H. Ritchie, Architect.
39 Four class-rooms, manual training and cooking room added, 1912. H. L. Wardner, Architect.
40 Six-room addition built, 1913, H. H. Atwood, Architect.
41 Nine-room addition built, 1913, Coolidge & Carleton, Architects, $98,004.09.
42 Contains assembly hall.
43 12,737 square feet transferred from old town of Dorchester.
44 Six-room addition built in 1913, Brigham, Coveney & Bisbee, Architects.
45 Addition built, 1914, contains assembly hall and master's office, $19,626.39, Edward T. Wilson, Architect.
46 Eight rooms and assembly hall added, 1914, $69,793.29, Charles K. Cummings, Architect.
47 One-half used by branch of East Boston High School.
48 Two-room addition built, 1907, Schoolhouse Department, Architects.
49 Three-room addition built, 1910, Schoolhouse Department, Architects, $11,532.50.